



CAIAMA

5,7
kilos/hab.

Consumo
“per capita”

+9,7%

Variación interanual
del consumo
doméstico

+501
millones
de us\$

Saldo de la balanza
comercial de la
industria del
aluminio

Industria del Aluminio en Argentina

Anuario Estadístico 2011



Puerto Madero - Ciudad Autónoma de Buenos Aires



5,7
kilos/inhab.

"Per capita"
consumption

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Inter-annual
variation of
domestic
consumption

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Aluminum industry
foreign trade
balance

Aluminum Industry in Argentina

2011 Statistical Yearbook



Puerto Madero - Ciudad Autónoma de Buenos Aires

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Anuario estadístico 2011

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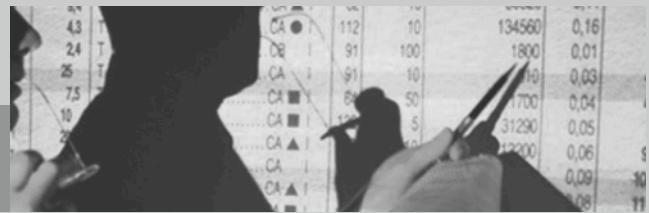
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Un año récord

El año 2011 marcó avances importantes en materia de consumo doméstico, producción y saldo de la balanza comercial.

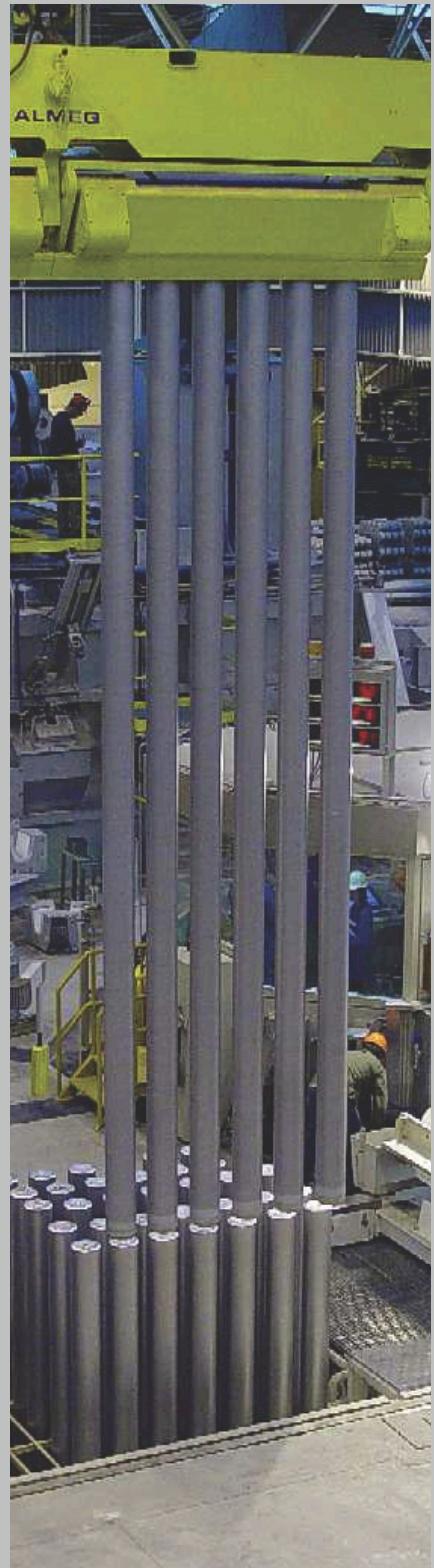
El consumo doméstico alcanzó un nuevo récord con casi 235.000 toneladas, lo que lleva el consumo “per capita” a cerca de 6 kilos por habitante por año, lejos todavía de los valores de los países más desarrollados, pero duplicando los valores promedio de las años anteriores a la crisis 2001.

Probablemente los próximos anuarios muestren un retroceso con respecto a este año, ya que se produjo un freno en la economía mundial con posibles consecuencias en nuestro país, y es justamente donde toda nuestra información estadística será de utilidad.

En la edición 2010 del anuario decíamos que estábamos preparando varios cambios para continuar ofreciendo mucho más que datos. Gracias al aporte de los socios de la Cámara hemos realizado algunas mejoras al anuario, y también a los reportes periódicos que ofrecemos. Próximamente entregaremos un monitoreo detallado de las operaciones de exportación e importación, y presentaremos la información del consumo doméstico con mayor nivel de desagregación, separando los consumos de materia prima, productos elaborados, y productos terminados.

Renovamos con esta edición la convicción que contar con información útil, precisa y consistente brinda ventajas en las decisiones estratégicas de las empresas del sector, y de todos aquellos que estén pensando en participar del mercado del aluminio.

Subcomisión de Estadísticas de CAIAMA





A record year

Year 2011 marked important advances in the figures of domestic consumption, production and positive results in balance of trade.

The domestic consumption reached a new record with almost 235,000 tons, which represents consumption “per capita” of near 6 kilos by inhabitant per year, however still very far from the values of the developed countries, but duplicating the average results of the years previous to crisis 2001.

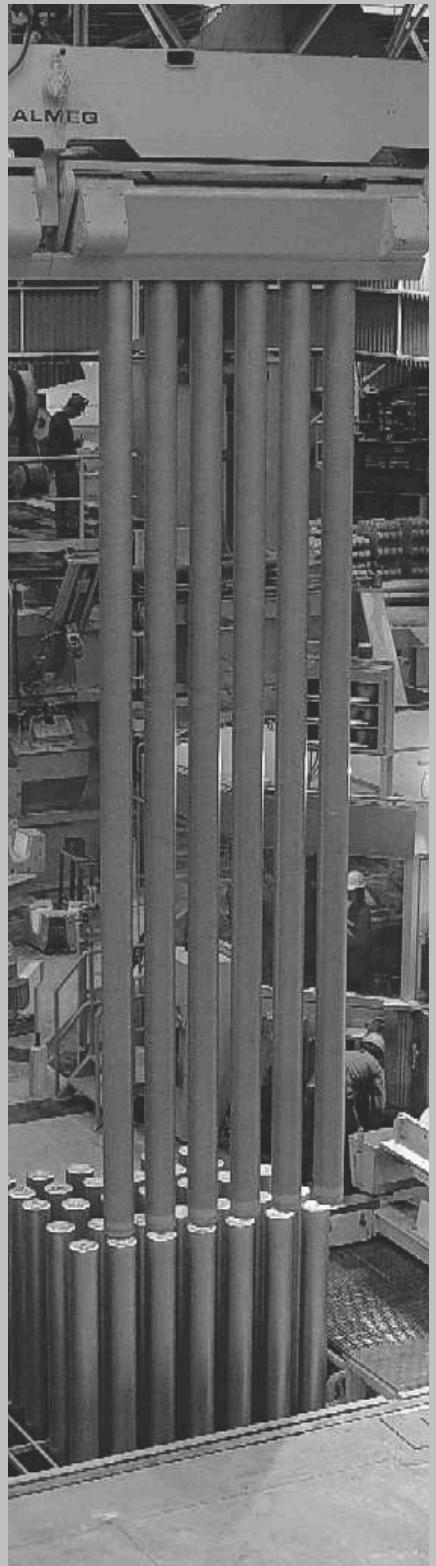
Probably the next yearbooks will show a backward movement with respect to this year, considering the difficult situation that is facing the world-wide economy, what most likely is going to affect our market place, and is exactly the right moment where all our statistical information will become deeply useful.

In the edition 2010 of the yearbook we said that we were preparing several changes to continue offering much more data. Thanks to the contribution of the partners of the Association we have made some improvements to this issue, and also to the periodic reports that we offer, also, very soon, we will give to our members’ detailed information on the operations of exports and imports that are related to our sector.

Besides we will present the information regarding the domestic consumption, with a greater level of detail, specifically breaking down that figure into: raw material, semi fabricated products, and finished products.

We renewed, with this edition, the conviction that the availability of accurate, consistent and definitively useful information, offers advantages for the strategic decisions of the companies of our sector, and also helps to know more about our industry to those that are evaluating becoming part of the aluminium family.

CAIAMA’s Statistics Subcommission



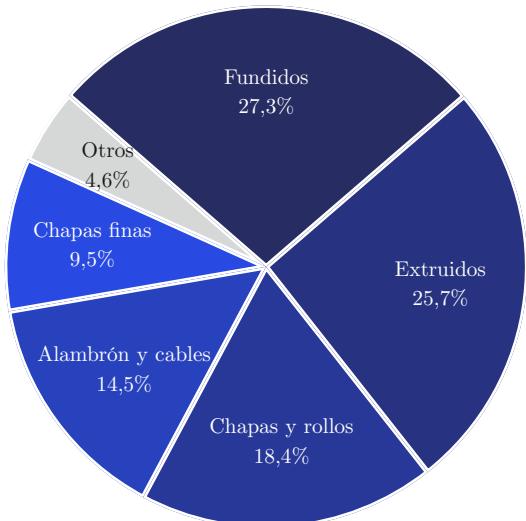
Consumo doméstico



Consumo total por origen [ton]

Producto	Consumo de producción nacional	Importaciones	Consumo total del mercado doméstico	variación respecto al año 2010
Chapas y rollos	21.180	22.035	43.215	5,5%
Chapas finas y foil	8.420	13.827	22.247	4,9%
Extruidos	52.766	7.591	60.357	17,7%
Alambrón y cables	32.930	1.038	33.968	22,3%
Fundidos	44.152	19.890	64.042	6,2%
Otros productos	970	9.926	10.896	-12,8%
Consumo total	160.418	74.307	234.725	9,7%

Consumo total por producto



Consumo total por origen

Producción nacional
68,3%

Importación
31,7%

Fuente: empresas productoras; INDEC.



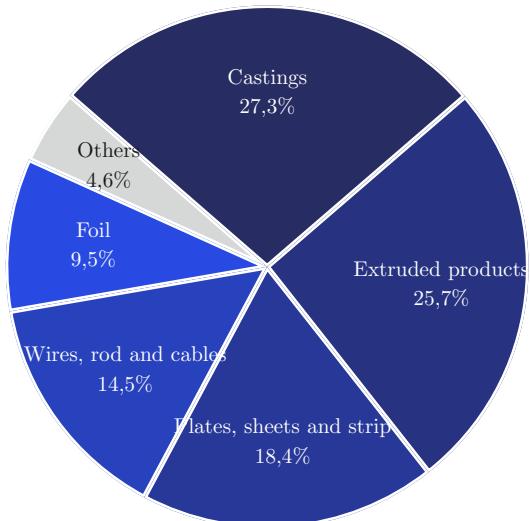
Domestic consumption



Total consumption by origin [ton]

Product	Domestic origin consumption	Imports	Total domestic consumption	Variation vs. year 2010
Plates, sheets and strip	21.180	22.035	43.215	5,5%
Foil	8.420	13.827	22.247	4,9%
Extruded products	52.766	7.591	60.357	17,7%
Wires, rod and cables	32.930	1.038	33.968	22,3%
Castings	44.152	19.890	64.042	6,2%
Other products	970	9.926	10.896	-12,8%
Total consumption	160.418	74.307	234.725	9,7%

Total consumption by product



Total consumption by origin

Domestic origin
68,3%

Imports
31,7%

Source: producers; INDEC.



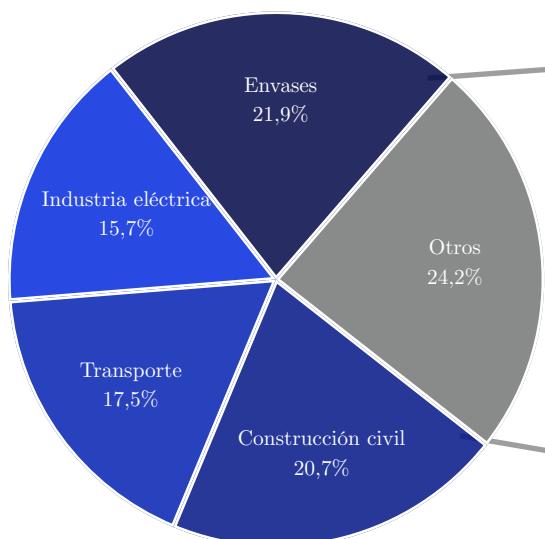
Consumo doméstico



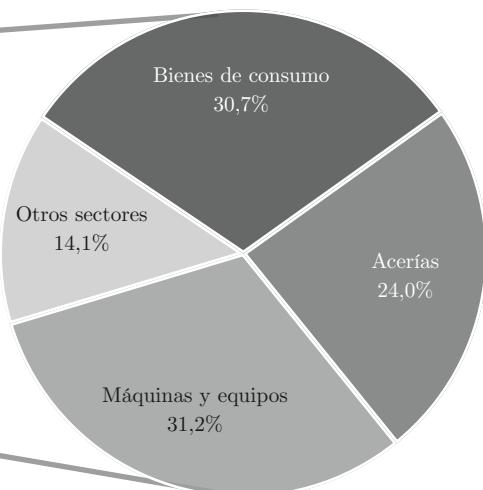
Consumo total por producto y sector [ton]

Producto	Sector								Consumo total	participación
	Construcción civil	Envases	Transporte	Industria eléctrica	Bienes de consumo	Máquinas y equipos	Acerías	Otros sectores		
Chapas y rollos	1.520	26.602	2.820	42	5.624	5.893	0	714	43.215	18,4%
Chapas finas y foil	3.636	16.087	1.161	99	764	135	0	365	22.247	9,5%
Extruidos	39.740	0	2.561	418	6.881	8.343	0	2.414	60.357	25,7%
Alambrón y cables	0	0	0	32.323	0	0	1.487	158	33.968	14,5%
Fundidos	3.659	2.913	34.325	4.021	3.062	3.342	12.176	544	64.042	27,3%
Otros productos	0	5.852	114	0	1.113	0	0	3.817	10.896	4,6%
Consumo total	48.555	51.454	40.981	36.903	17.444	17.713	13.663	8.012	234.725	100,0%
participación	20,7%	21,9%	17,5%	15,7%	7,4%	7,5%	5,8%	3,4%		100,0%

Consumo total por sector



Consumo total por sector (detalle “Otros”)



Fuente: empresas productoras; INDEC.



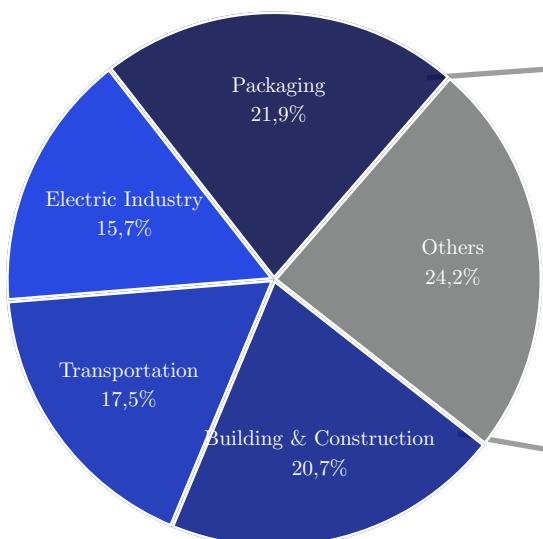
Domestic consumption



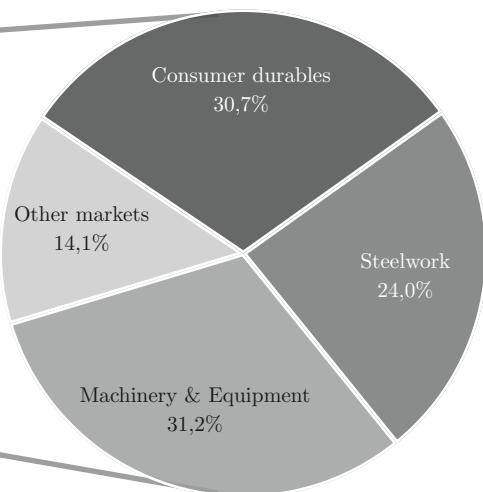
Total consumption by product and end-use market [ton]

Product	End-use market								Total consumption	share
	Building & Construction	Packaging	Transportation	Electric Industry	Consumer Durables	Machinery & Equipment	Steelwork	Other markets		
Plates, sheets and strip	1.520	26.602	2.820	42	5.624	5.893	0	714	43.215	18,4%
Foil	3.636	16.087	1.161	99	764	135	0	365	22.247	9,5%
Extruded products	39.740	0	2.561	418	6.881	8.343	0	2.414	60.357	25,7%
Wires, rod and cables	0	0	0	32.323	0	0	1.487	158	33.968	14,5%
Castings	3.659	2.913	34.325	4.021	3.062	3.342	12.176	544	64.042	27,3%
Other products	0	5.852	114	0	1.113	0	0	3.817	10.896	4,6%
Total consumption	48.555	51.454	40.981	36.903	17.444	17.713	13.663	8.012	234.725	100,0%
share	20,7%	21,9%	17,5%	15,7%	7,4%	7,5%	5,8%	3,4%		100,0%

Total consumption by end-use market



Total consumption by end-use market (detail "others")



Source: producers; INDEC.

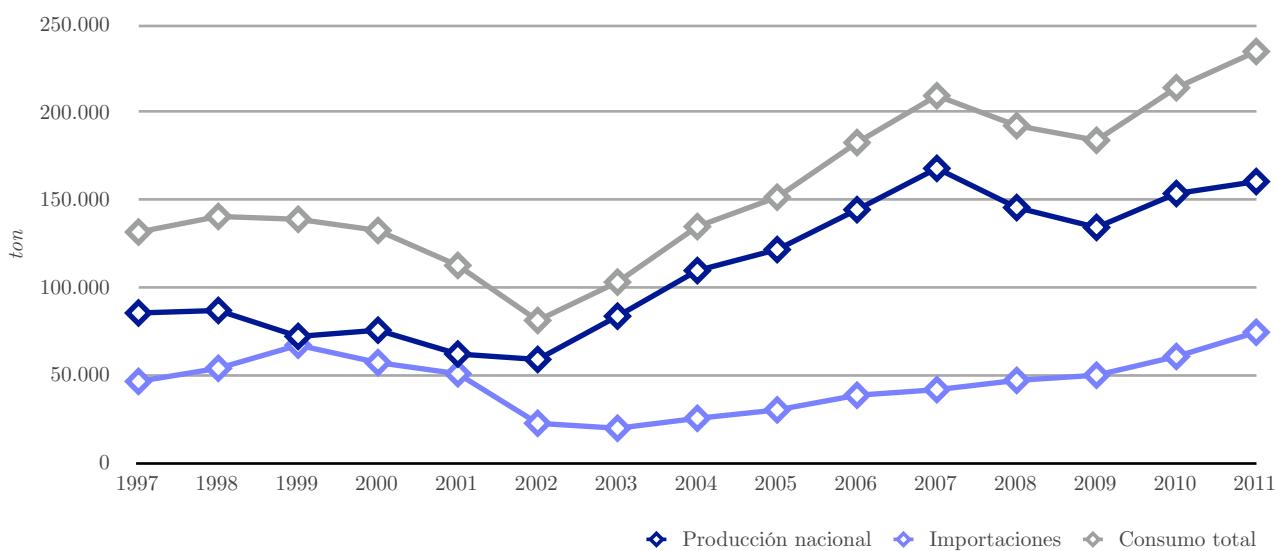


Consumo doméstico

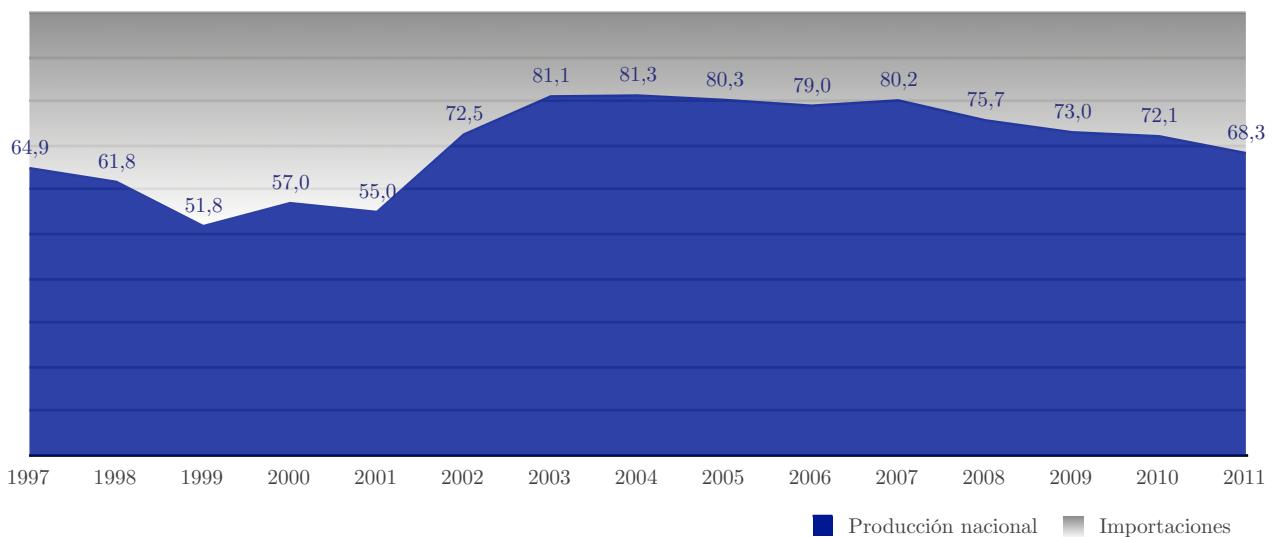


Evolución del consumo total [ton]

Evolución del consumo total del mercado doméstico



Evolución de la participación de la industria nacional en el consumo total del mercado doméstico [%]



Fuente: empresas productoras; INDEC.

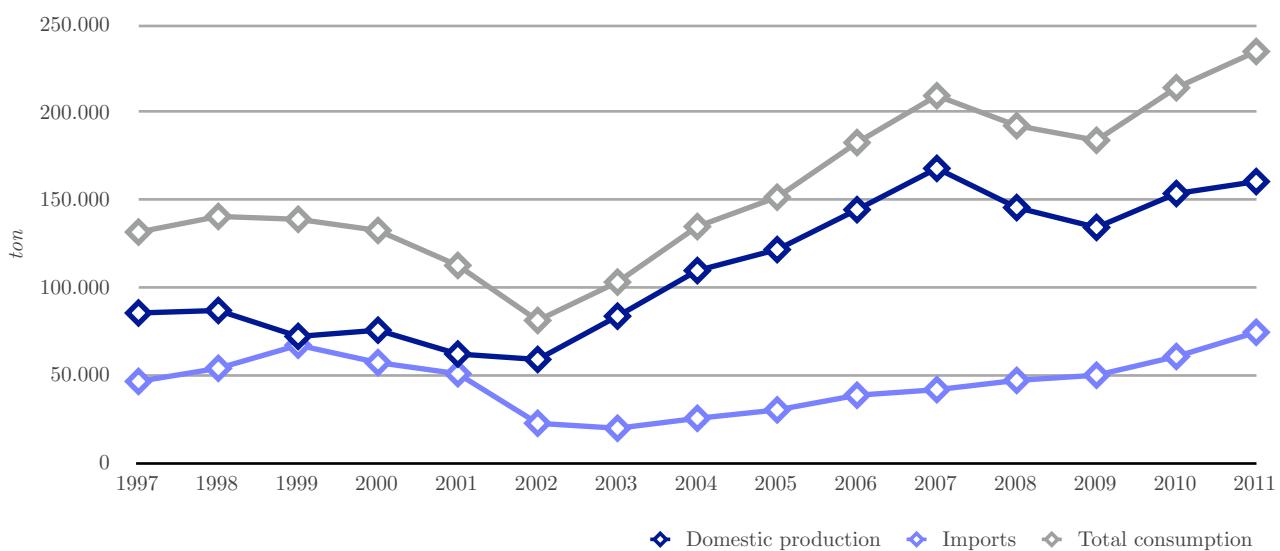


Domestic consumption

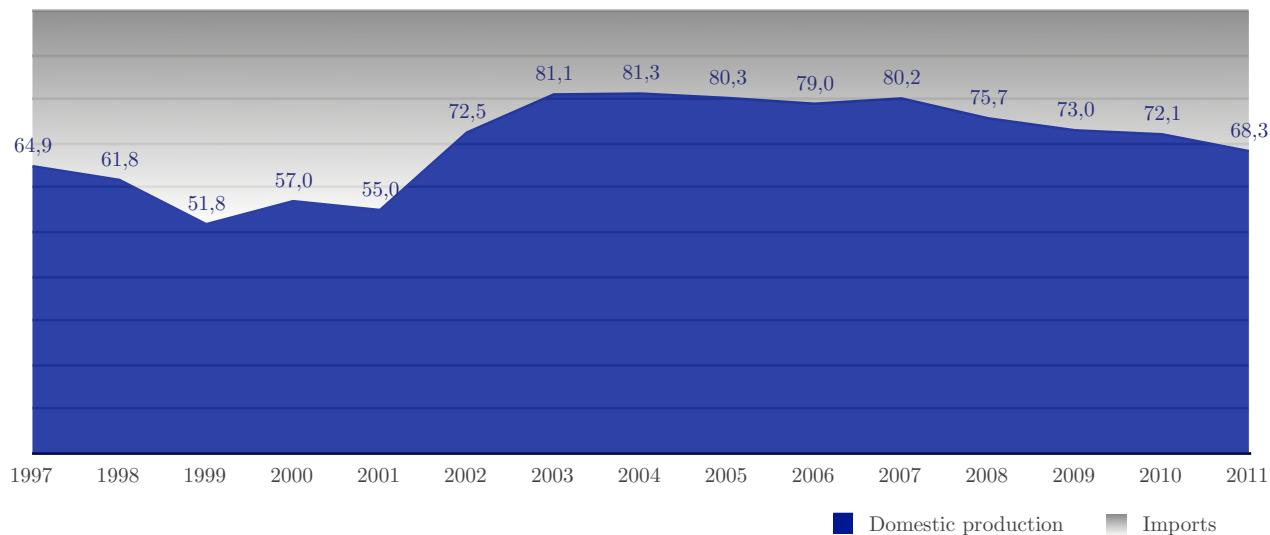


Evolution of total consumption [ton]

Evolution of total consumption in the domestic market



Evolution of domestic production share in total consumption in the domestic market [%]



Source: producers; INDEC.



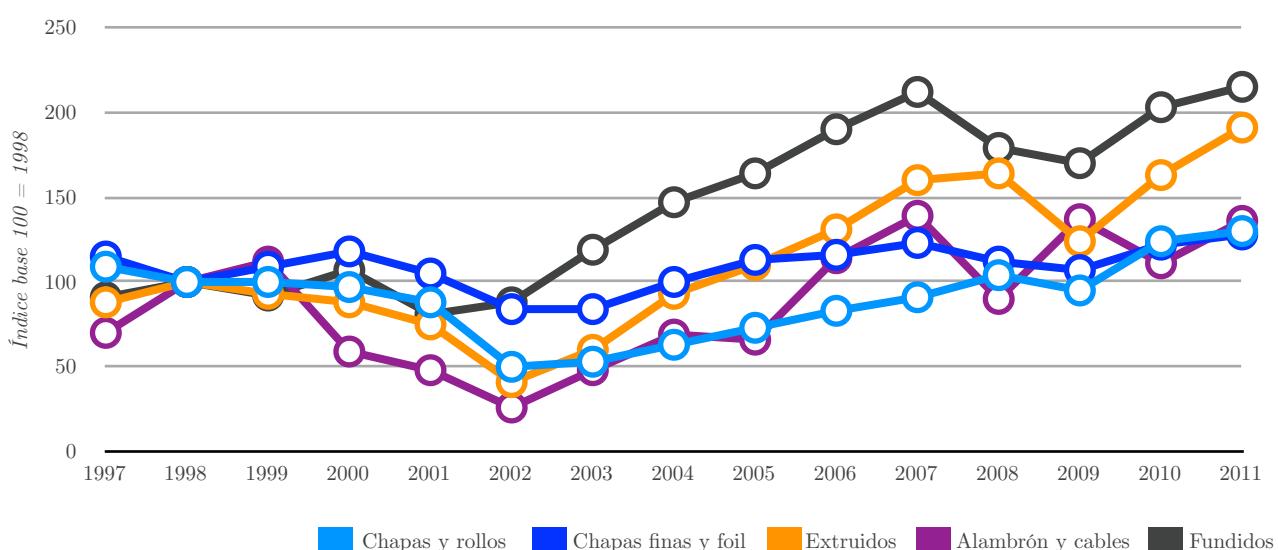
Consumo doméstico



Evolución del consumo por producto [ton]

Producto	año														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Chapas y rollos	36.182	33.142	33.060	32.309	29.291	16.658	17.668	20.996	24.091	27.655	30.158	34.310	31.545	40.952	43.215
Chapas finas y foil	20.040	17.445	18.960	20.601	18.315	14.691	14.567	17.388	19.645	20.184	21.477	19.524	18.727	21.217	22.247
Extruidos	27.755	31.546	29.365	27.803	23.502	12.947	18.930	29.191	34.554	41.300	50.450	51.791	38.994	51.294	60.357
Alambrón y cables	17.457	24.953	28.015	14.621	12.085	6.378	11.874	17.236	16.411	28.487	34.729	22.472	34.109	27.780	33.968
Fundidos	26.953	29.749	27.223	31.931	24.124	26.262	35.538	43.866	48.871	56.612	63.034	53.315	50.469	60.306	64.042
Otros productos	3.171	3.650	2.230	5.202	5.178	4.126	4.378	6.021	7.913	8.439	9.616	10.955	10.152	12.490	10.896
Consumo total	131.558	140.485	138.853	132.467	112.495	81.062	102.955	134.698	151.485	182.677	209.464	192.367	183.996	214.039	234.725

Evolución del consumo doméstico por producto (base 100 = 1998)



Fuente: empresas productoras; INDEC.



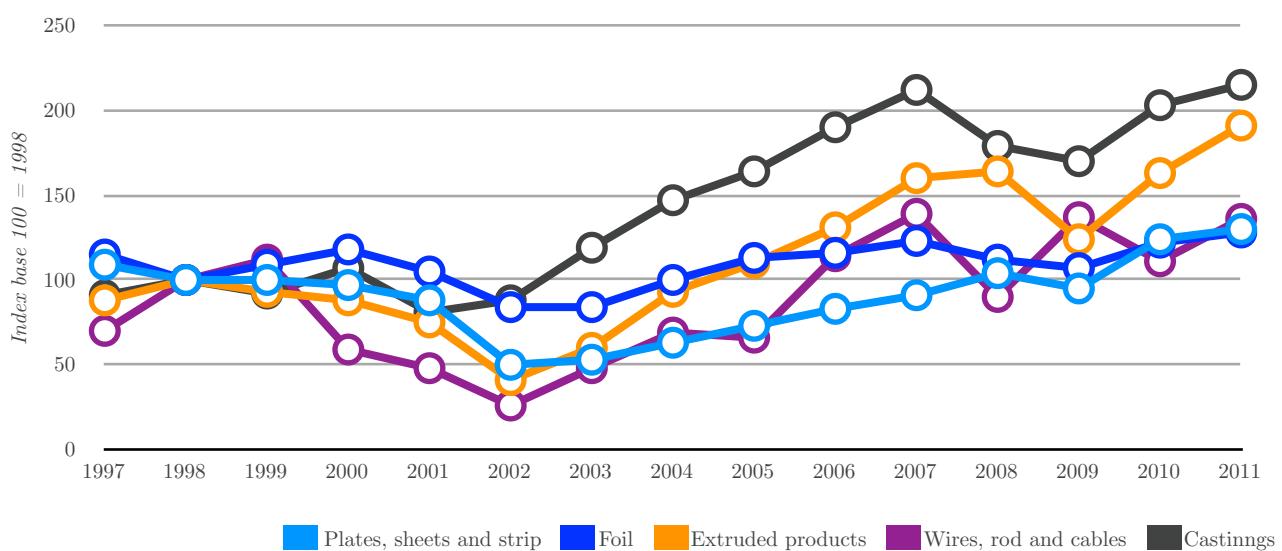
Domestic consumption



Evolution of consumption by product [ton]

Product	year														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Plates, sheets and strip	36.182	33.142	33.060	32.309	29.291	16.658	17.668	20.996	24.091	27.655	30.158	34.310	31.545	40.952	43.215
Foil	20.040	17.445	18.960	20.601	18.315	14.691	14.567	17.388	19.645	20.184	21.477	19.524	18.727	21.217	22.247
Extruded products	27.755	31.546	29.365	27.803	23.502	12.947	18.930	29.191	34.554	41.300	50.450	51.791	38.994	51.294	60.357
Wires, rod and cables	17.457	24.953	28.015	14.621	12.085	6.378	11.874	17.236	16.411	28.487	34.729	22.472	34.109	27.780	33.968
Castings	26.953	29.749	27.223	31.931	24.124	26.262	35.538	43.866	48.871	56.612	63.034	53.315	50.469	60.306	64.042
Other products	3.171	3.650	2.230	5.202	5.178	4.126	4.378	6.021	7.913	8.439	9.616	10.955	10.152	12.490	10.896
Total consumption	131.558	140.485	138.853	132.467	112.495	81.062	102.955	134.698	151.485	182.677	209.464	192.367	183.996	214.039	234.725

Evolution of domestic consumption by product (base 100 = 1998)



Source: producers; INDEC.



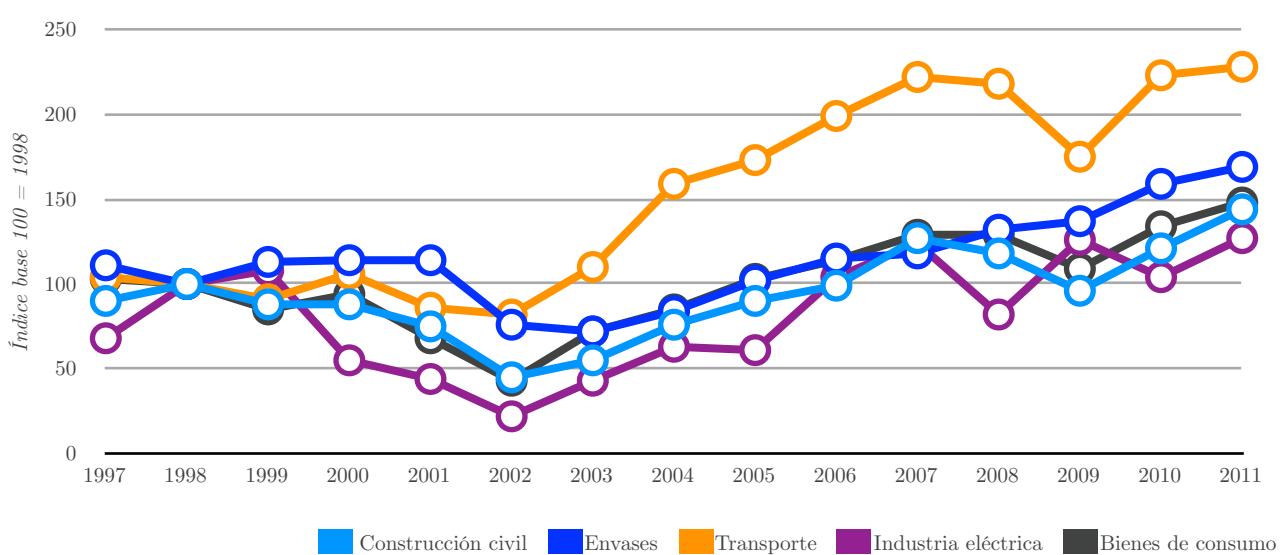
Consumo doméstico



Evolución del consumo por sector [ton]

Producto	año														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Construcción civil	30.385	33.652	29.489	29.614	25.261	15.028	18.482	25.723	30.267	33.392	42.833	39.785	32.291	40.726	48.555
Envases	33.801	30.495	34.419	34.815	34.699	23.051	22.095	25.574	31.226	34.932	36.035	40.324	41.693	48.600	51.454
Transporte	18.605	17.936	16.340	19.089	15.357	14.751	19.646	28.594	31.061	35.768	39.891	39.121	31.440	40.034	40.981
Industria eléctrica	19.856	29.100	31.417	15.978	12.839	6.358	12.433	18.315	17.811	30.282	35.965	23.800	36.645	30.367	36.903
Bienes de consumo	12.107	11.799	9.996	11.144	7.974	5.090	8.509	9.989	12.153	13.490	15.223	15.176	12.805	15.803	17.444
Máquinas y equipos	5.047	5.046	6.260	6.701	5.949	3.422	5.871	9.341	10.487	13.122	14.734	13.634	12.072	16.053	17.713
Acerías	7.234	6.990	6.110	10.366	7.529	11.065	13.023	12.936	14.047	17.260	19.417	13.259	11.011	14.074	13.663
Otros sectores	4.523	5.467	4.822	4.760	2.887	2.297	2.896	4.226	4.433	4.431	5.366	7.268	6.039	8.382	8.012
Consumo total	131.558	140.485	138.853	132.467	112.495	81.062	102.955	134.698	151.485	182.677	209.464	192.367	183.996	214.039	234.725

Evolución del consumo doméstico por sector (base 100 = 1998)



Fuente: empresas productoras; INDEC.



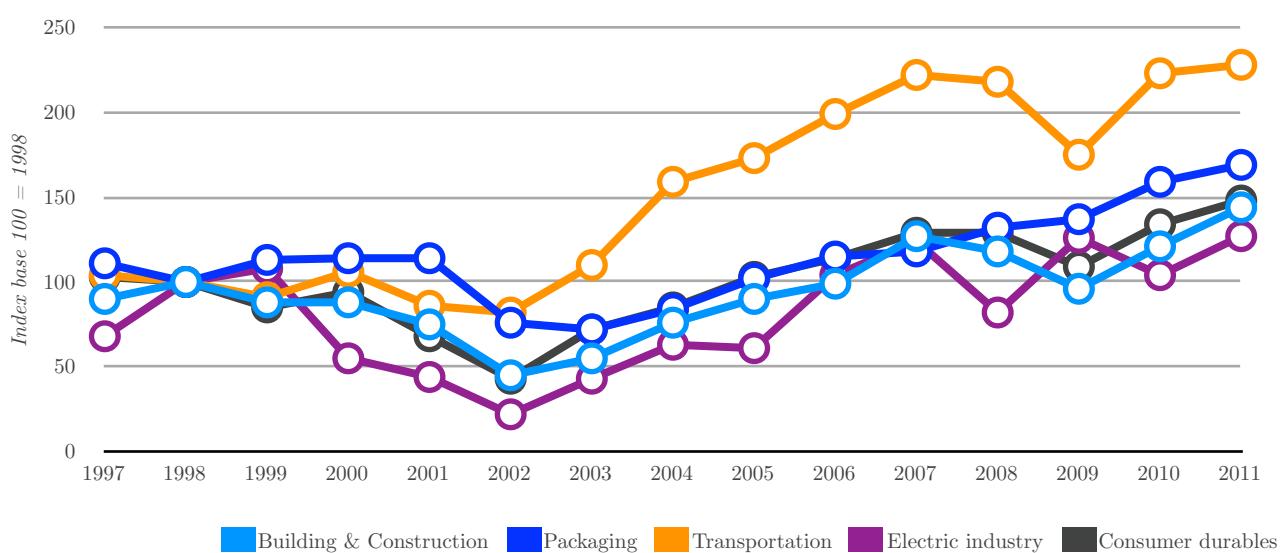
Domestic consumption



Evolution of consumption by end-use market [ton]

Product	year														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Building & Construction	30.385	33.652	29.489	29.614	25.261	15.028	18.482	25.723	30.267	33.392	42.833	39.785	32.291	40.726	48.555
Packaging	33.801	30.495	34.419	34.815	34.699	23.051	22.095	25.574	31.226	34.932	36.035	40.324	41.693	48.600	51.454
Transportation	18.605	17.936	16.340	19.089	15.357	14.751	19.646	28.594	31.061	35.768	39.891	39.121	31.440	40.034	40.981
Electric Industry	19.856	29.100	31.417	15.978	12.839	6.358	12.433	18.315	17.811	30.282	35.965	23.800	36.645	30.367	36.903
Consumer Durables	12.107	11.799	9.996	11.144	7.974	5.090	8.509	9.989	12.153	13.490	15.223	15.176	12.805	15.803	17.444
Machinery & Equipment	5.047	5.046	6.260	6.701	5.949	3.422	5.871	9.341	10.487	13.122	14.734	13.634	12.072	16.053	17.713
Steelwork	7.234	6.990	6.110	10.366	7.529	11.065	13.023	12.936	14.047	17.260	19.417	13.259	11.011	14.074	13.663
Other markets	4.523	5.467	4.822	4.760	2.887	2.297	2.896	4.226	4.433	4.431	5.366	7.268	6.039	8.382	8.012
Total consumption	131.558	140.485	138.853	132.467	112.495	81.062	102.955	134.698	151.485	182.677	209.464	192.367	183.996	214.039	234.725

Evolution of domestic consumption by end-use market (base 100 = 1998)



Source: producers; INDEC.



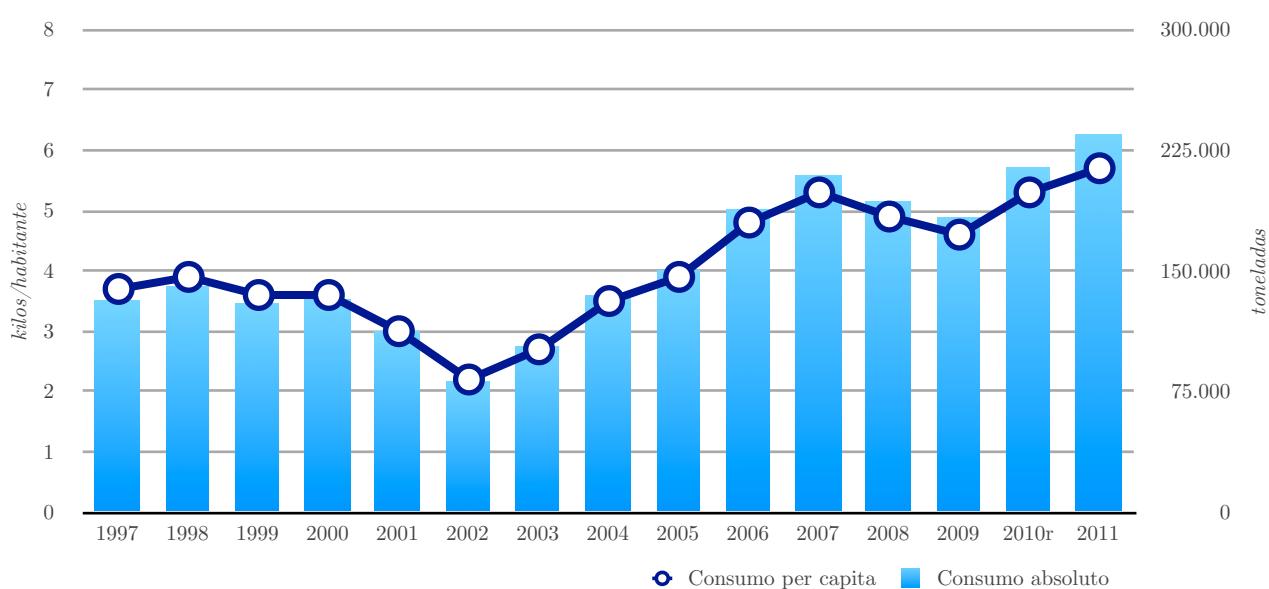
Consumo doméstico



Evolución del consumo “per capita” [ton]

Descripción	año														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010r	2011
+ Producción primario [ton]	183.724	185.140	204.600	263.744	245.052	268.806	272.252	271.675	270.580	277.779	292.700	399.715	406.700	417.056	420.255
+ Importación primario [ton]	1.394	19.238	4.348	2.632	2.520	624	1.590	2.163	1.543	4.164	4.149	3.592	3.440	3.519	13.833
± Variación de stock primario [ton]	n/d	n/d	-2.859	-2.736	35	-6.600	-11.123	2.509	-13.719	12.276	-1.551	20.607	-14.000	-3.019	-3.546
+ Importación elaborado [ton]	44.841	57.168	53.548	54.356	48.086	22.681	17.873	22.973	27.986	33.986	36.834	42.829	42.620	56.944	60.477
+ Recuperación secundario [ton]	49.414	20.806	23.312	35.039	28.383	27.877	35.052	38.664	44.694	48.084	54.944	43.265	39.133	60.231	38.232
- Exportación primario [ton]	110.961	115.178	123.596	187.859	182.532	200.519	199.866	163.084	168.511	131.070	151.459	243.009	288.521	287.606	254.392
- Exportación elaborado [ton]	36.854	26.689	35.217	38.181	28.979	45.007	35.068	35.182	39.497	32.465	29.410	32.448	34.026	39.124	47.226
= Consumo doméstico aparente [ton]	131.558	140.485	129.854	132.467	112.495	81.062	102.956	134.700	150.514	188.202	209.309	193.337	183.346	214.039	234.725
Población [millones de habitantes]	35,6	36,0	36,4	36,8	37,2	37,5	37,9	38,2	38,6	39,0	39,4	39,8	40,1	40,5	40,9
Consumo “per capita” [kilos/habitante]	3,7	3,9	3,6	3,6	3,0	2,2	2,7	3,5	3,9	4,8	5,3	4,9	4,6	5,3	5,7

Evolución del consumo doméstico “per capita”



Fuente: empresas productoras; INDEC.



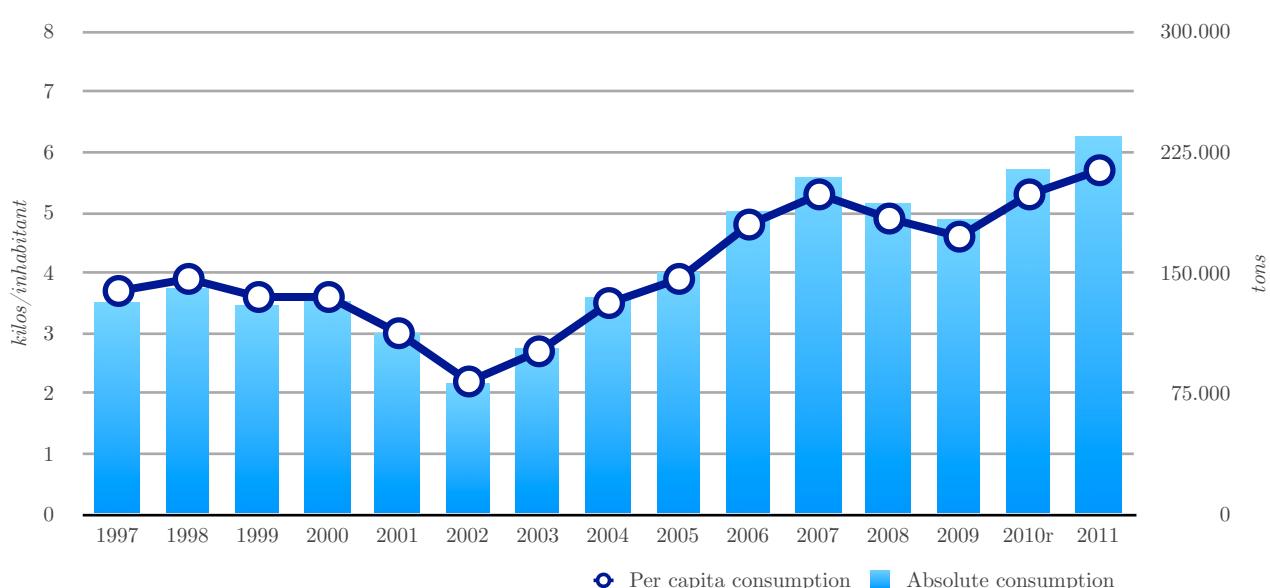
Domestic consumption



Evolution of “per capita” consumption [ton]

Description	year														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010r	2011
+ Ingot production [ton]	183.724	185.140	204.600	263.744	245.052	268.806	272.252	271.675	270.580	277.779	292.700	399.715	406.700	417.056	420.255
+ Imports of ingots [ton]	1.394	19.238	4.348	2.632	2.520	624	1.590	2.163	1.543	4.164	4.149	3.592	3.440	3.519	13.833
= Ingot inventory change [ton]	n/d	n/d	-2.859	-2.736	35	-6.600	-11.123	2.509	-13.719	12.276	-1.551	20.607	-14.000	-3.019	-3.546
+ Imports of mill products [ton]	44.841	57.168	53.548	54.356	48.086	22.681	17.873	22.973	27.986	33.986	36.834	42.829	42.620	56.944	60.477
+ Recovery of secondary [ton]	49.414	20.806	23.312	35.039	28.383	27.877	35.052	38.664	44.694	48.084	54.944	43.265	39.133	60.231	38.232
- Exports of ingots [ton]	110.961	115.178	123.596	187.859	182.532	200.519	199.866	163.084	168.511	131.070	151.459	243.009	288.521	287.606	254.392
- Exports of mill products [ton]	36.854	26.689	35.217	38.181	28.979	45.007	35.068	35.182	39.497	32.465	29.410	32.448	34.026	39.124	47.226
= Domestic apparent consumption [ton]	131.558	140.485	129.854	132.467	112.495	81.062	102.956	134.700	150.514	188.202	209.309	193.337	183.346	214.039	234.725
Population [million inhabitants]	35,6	36,0	36,4	36,8	37,2	37,5	37,9	38,2	38,6	39,0	39,4	39,8	40,1	40,5	40,9
“Per capita” consumption [kilos/inhabitant]	3,7	3,9	3,6	3,6	3,0	2,2	2,7	3,5	3,9	4,8	5,3	4,9	4,6	5,3	5,7

Evolution of “per capita” consumption



Source: producers; INDEC.



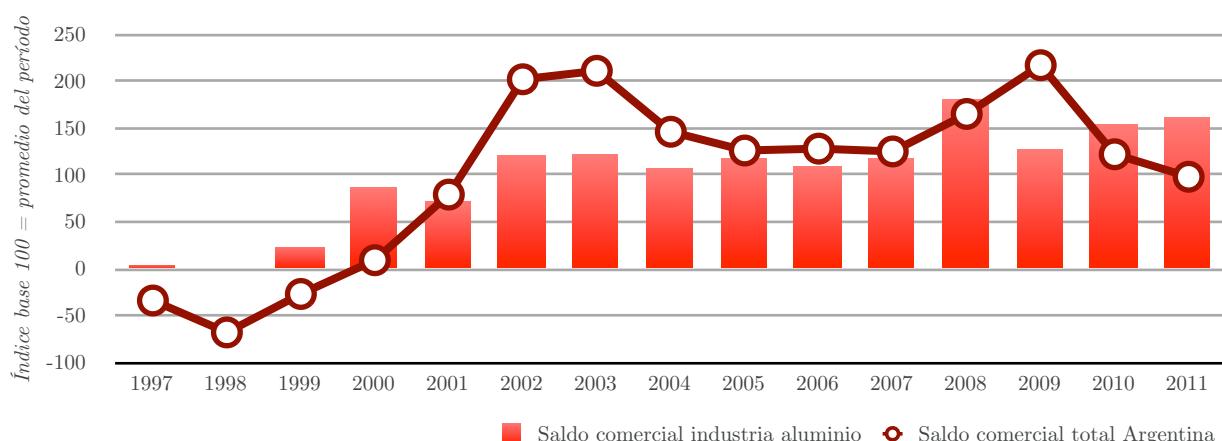
Comercio exterior



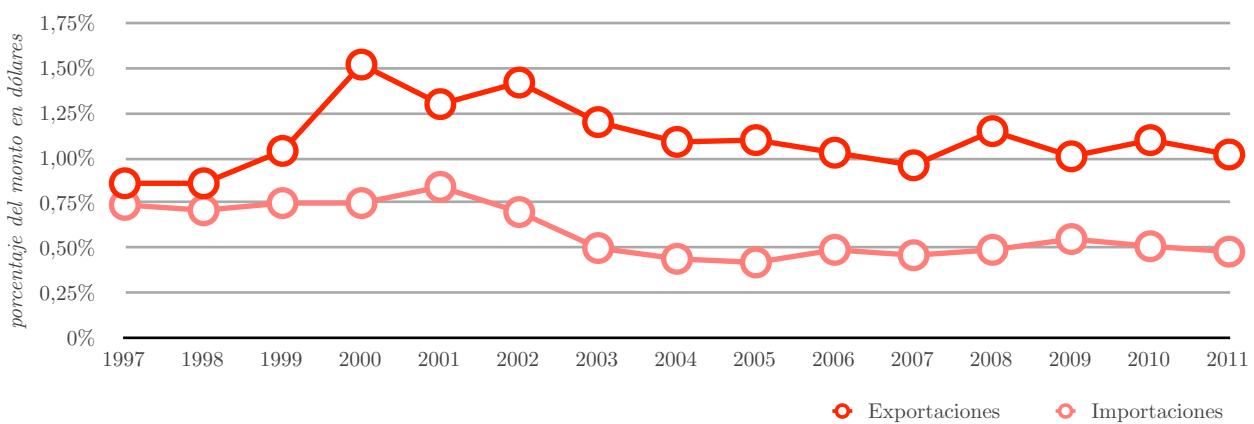
Evolución del saldo comercial de la industria del aluminio [millones de dólares de 2011]

Descripción	Año														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Exportaciones	301	312	331	520	442	461	465	451	510	530	590	832	601	783	860
Importaciones	293	310	261	249	219	83	86	117	143	191	225	271	204	303	358
Saldo comercial	8	2	70	271	223	378	379	334	367	339	365	561	397	480	501

Evolución del saldo comercial (base 100 = promedio del período)



Incidencia de la industria del aluminio en el intercambio comercial total Argentina



Fuente: INDEC.



Foreign Trade



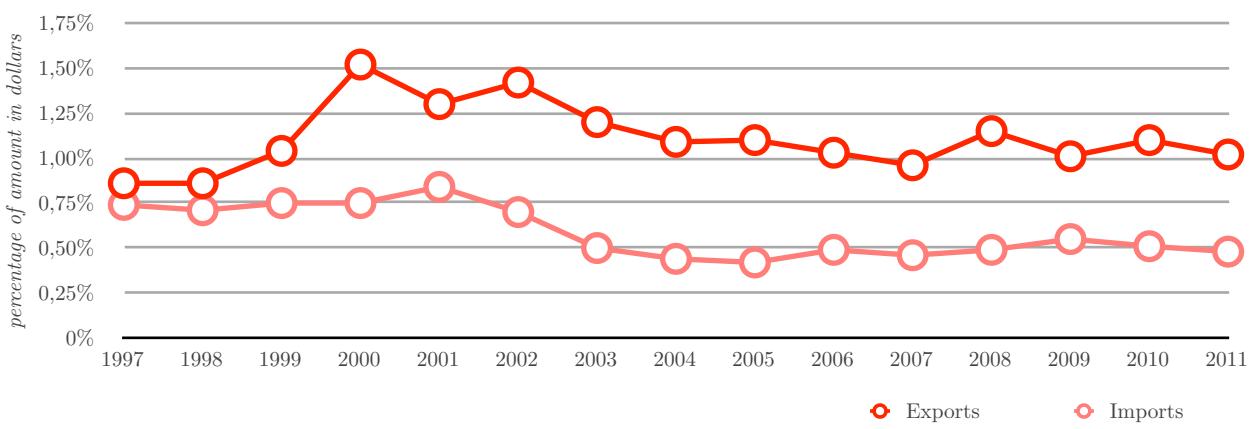
Evolution of aluminum industry foreign trade balance [2011 million dollars]

Description	Year														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Exports	301	312	331	520	442	461	465	451	510	530	590	832	601	783	860
Imports	293	310	261	249	219	83	86	117	143	191	225	271	204	303	358
Foreign Trade balance	8	2	70	271	223	378	379	334	367	339	365	561	397	480	501

Evolution of foreign trade balance (base 100 = period average)



Incidence of Aluminum in Argentina's total Foreign Trade



Source: INDEC.



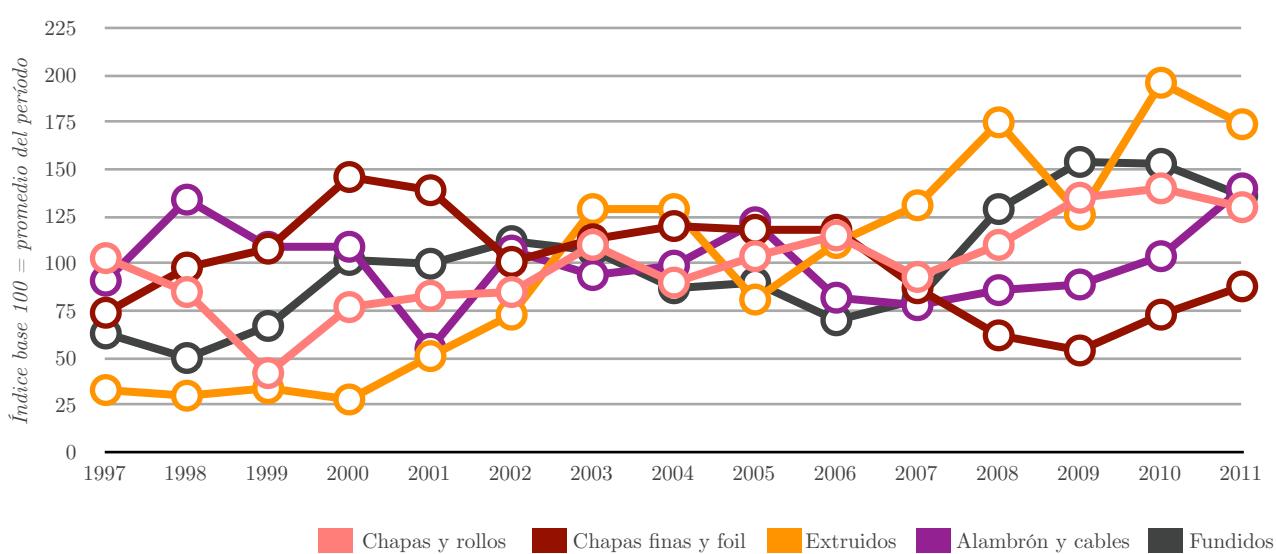
Comercio exterior



Evolución de las exportaciones [ton]

Producto	Año														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Chapas y rollos (1)	4.742	3.905	1.907	3.547	3.825	3.888	5.029	4.114	4.753	5.277	4.264	5.061	6.192	6.431	5.949
Chapas finas y foil (2)	2.329	3.068	3.390	4.567	4.351	3.145	3.524	3.761	3.693	3.695	2.733	1.924	1.696	2.290	2.749
Extruidos (3)	739	678	763	622	1.135	1.649	2.894	2.889	1.818	2.484	2.936	3.916	2.838	4.402	3.893
Alambrón y cables (4)	20.910	30.998	25.115	25.208	12.640	24.733	21.777	22.926	28.113	19.023	18.118	19.888	20.668	23.916	32.366
Fundidos (5)	118.645	94.251	127.180	191.623	189.168	211.517	200.973	163.821	168.970	132.297	152.171	243.698	289.930	288.615	255.806
Otros productos (6)	450	1.067	458	472	392	594	737	756	661	759	647	970	1.091	1.076	855
Total exportaciones	147.815	133.967	158.813	226.040	211.511	245.526	234.934	198.266	208.008	163.535	180.869	275.457	322.415	326.730	301.619

Evolución de las exportaciones de la industria del aluminio (base 100 = promedio del período)



Partidas por producto:

(1) 76.06 / 76.11 / 76.12 / 76.13 / 76.15

(2) 76.07

(3) 76.04 / 76.08 / 76.10

(4) 76.05 / 76.14

(5) 76.01 / 76.02 / 76.09

(6) 76.03 / 76.16

Fuente: INDEC.



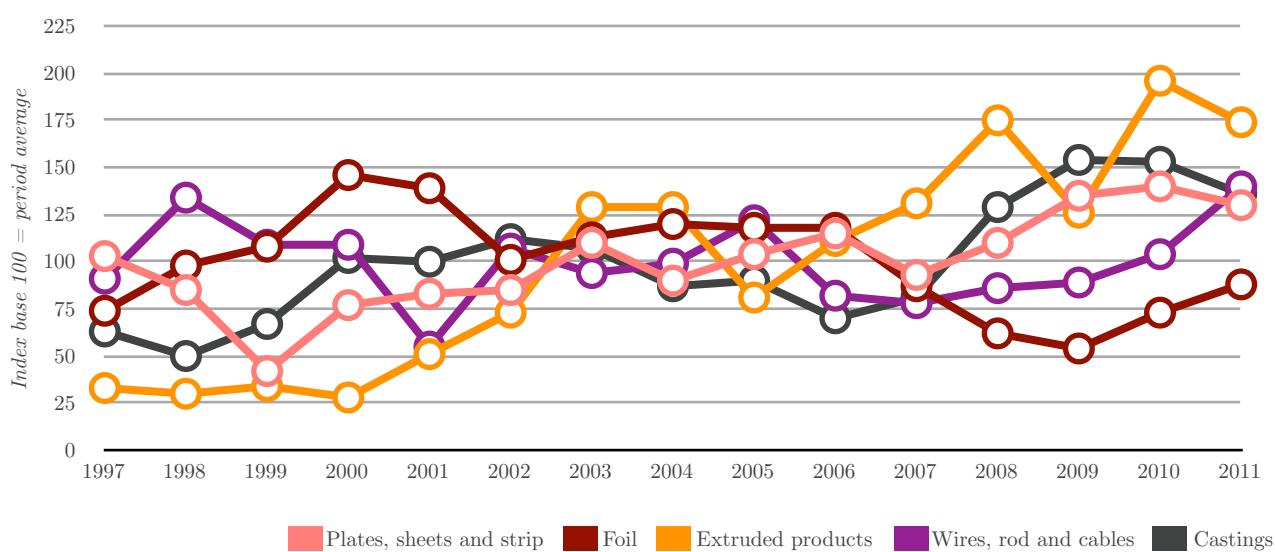
Foreign Trade



Evolution of exports [ton]

Product	Year														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Plates, sheets and strip (1)	4.742	3.905	1.907	3.547	3.825	3.888	5.029	4.114	4.753	5.277	4.264	5.061	6.192	6.431	5.949
Foil (2)	2.329	3.068	3.390	4.567	4.351	3.145	3.524	3.761	3.693	3.695	2.733	1.924	1.696	2.290	2.749
Extruded products (3)	739	678	763	622	1.135	1.649	2.894	2.889	1.818	2.484	2.936	3.916	2.838	4.402	3.893
Wires, rod and cables (4)	20.910	30.998	25.115	25.208	12.640	24.733	21.777	22.926	28.113	19.023	18.118	19.888	20.668	23.916	32.366
Castings (5)	118.645	94.251	127.180	191.623	189.168	211.517	200.973	163.821	168.970	132.297	152.171	243.698	289.930	288.615	255.806
Other products (6)	450	1.067	458	472	392	594	737	756	661	759	647	970	1.091	1.076	855
Total exports	147.815	133.967	158.813	226.040	211.511	245.526	234.934	198.266	208.008	163.535	180.869	275.457	322.415	326.730	301.619

Evolution of Aluminum industry exports (base 100 = period average)



Headings by product:

(1) 76.06 / 76.11 / 76.12 / 76.13 / 76.15

(2) 76.07

(3) 76.04 / 76.08 / 76.10

(4) 76.05 / 76.14

(5) 76.01 / 76.02 / 76.09

(6) 76.03 / 76.16

Source: INDEC.



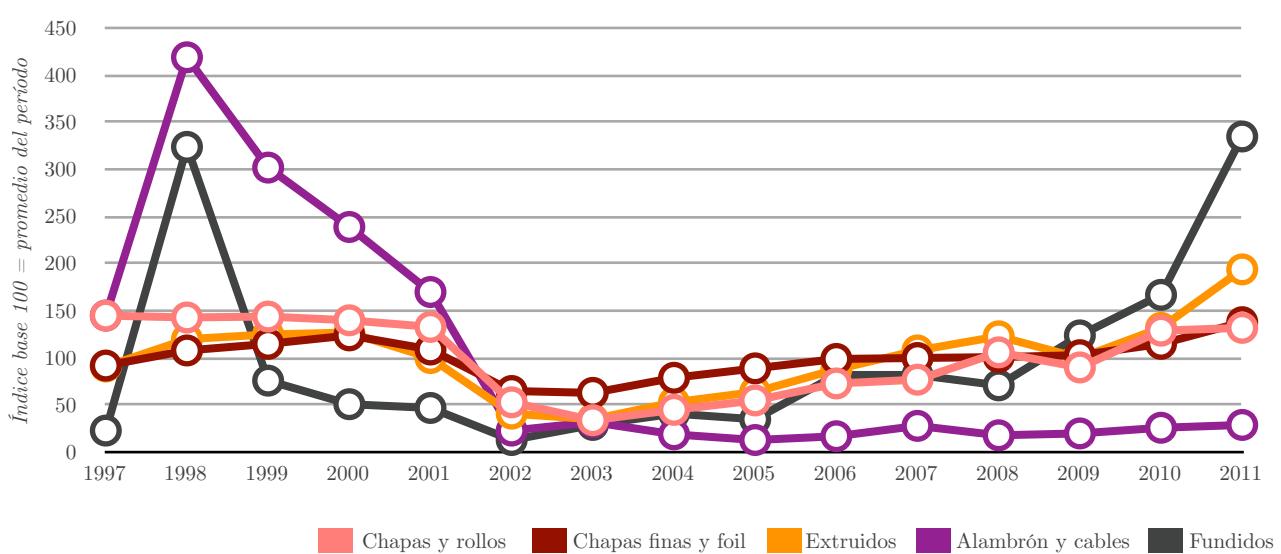
Comercio exterior



Evolución de las importaciones [ton]

Producto	Año														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Chapas y rollos (1)	24.204	23.932	24.068	23.346	22.177	8.850	5.712	7.540	9.261	12.255	12.859	17.703	15.102	21.564	22.035
Chapas finas y foil (2)	9.235	10.839	11.525	12.433	10.968	6.505	6.312	7.882	8.925	9.897	10.078	10.123	10.367	11.584	13.827
Extruidos (3)	3.557	4.705	4.883	4.974	3.898	1.601	1.352	2.057	2.491	3.443	4.222	4.792	3.902	5.140	7.591
Alambrón y cables (4)	5.145	14.832	10.687	8.477	6.038	828	1.132	671	453	598	1.002	637	716	906	1.038
Fundidos (5)	1.394	19.238	4.489	3.054	2.771	780	1.697	2.420	2.057	4.892	4.881	4.226	7.337	9.931	19.890
Otros productos (6)	2.700	2.860	2.243	4.704	4.754	4.741	3.257	4.566	6.343	7.066	7.941	8.940	8.623	11.338	9.926
Total importaciones	46.235	76.406	57.896	56.988	50.606	23.305	19.463	25.136	29.529	38.150	40.983	46.421	46.047	60.463	74.307

Evolución de las importaciones de la industria del aluminio (base 100 = promedio del período)



Partidas por producto:

(1) 76.06 / 76.11 / 76.12 / 76.13 / 76.15

(2) 76.07

(3) 76.04 / 76.08 / 76.10

(4) 76.05 / 76.14

(5) 76.01 / 76.02 / 76.09

(6) 76.03 / 76.16

Fuente: INDEC.



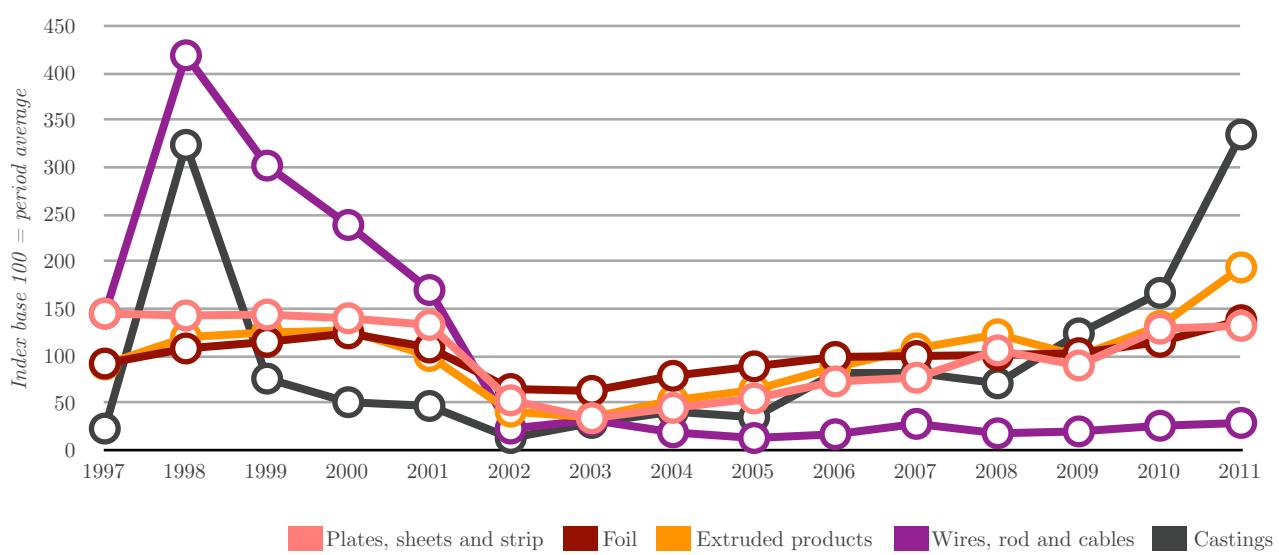
Foreign Trade



Evolution of imports [ton]

Product	Year														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Plates, sheets and strip (1)	24.204	23.932	24.068	23.346	22.177	8.850	5.712	7.540	9.261	12.255	12.859	17.703	15.102	21.564	22.035
Foil (2)	9.235	10.839	11.525	12.433	10.968	6.505	6.312	7.882	8.925	9.897	10.078	10.123	10.367	11.584	13.827
Extruded products (3)	3.557	4.705	4.883	4.974	3.898	1.601	1.352	2.057	2.491	3.443	4.222	4.792	3.902	5.140	7.591
Wires, rod and cables (4)	5.145	14.832	10.687	8.477	6.038	828	1.132	671	453	598	1.002	637	716	906	1.038
Castings (5)	1.394	19.238	4.489	3.054	2.771	780	1.697	2.420	2.057	4.892	4.881	4.226	7.337	9.931	19.890
Other products (6)	2.700	2.860	2.243	4.704	4.754	4.741	3.257	4.566	6.343	7.066	7.941	8.940	8.623	11.338	9.926
Total imports	46.235	76.406	57.896	56.988	50.606	23.305	19.463	25.136	29.529	38.150	40.983	46.421	46.047	60.463	74.307

Evolution of Aluminum industry imports (base 100 = period average)



Headings by product:

(1) 76.06 / 76.11 / 76.12 / 76.13 / 76.15

(2) 76.07

(3) 76.04 / 76.08 / 76.10

(4) 76.05 / 76.14

(5) 76.01 / 76.02 / 76.09

(6) 76.03 / 76.16

Source: INDEC.

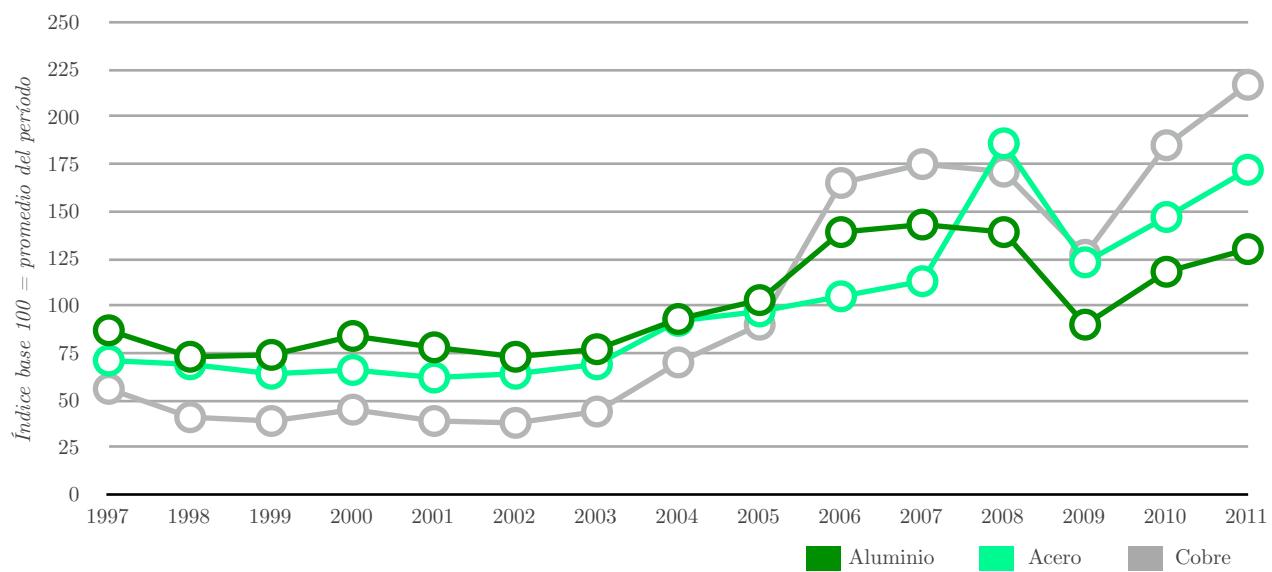


Indicadores económicos

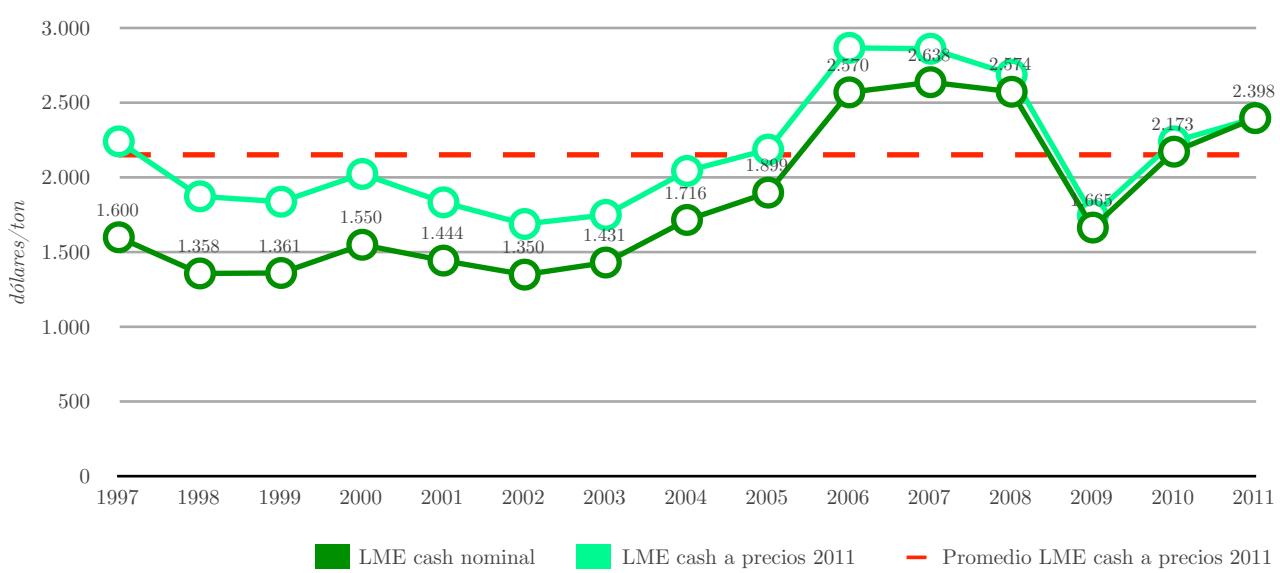


Indicadores de precios

Evolución de los precios internacionales de commodities industriales



Evolución del precio del aluminio primario a precios constantes 2011 (IPC Estados Unidos)



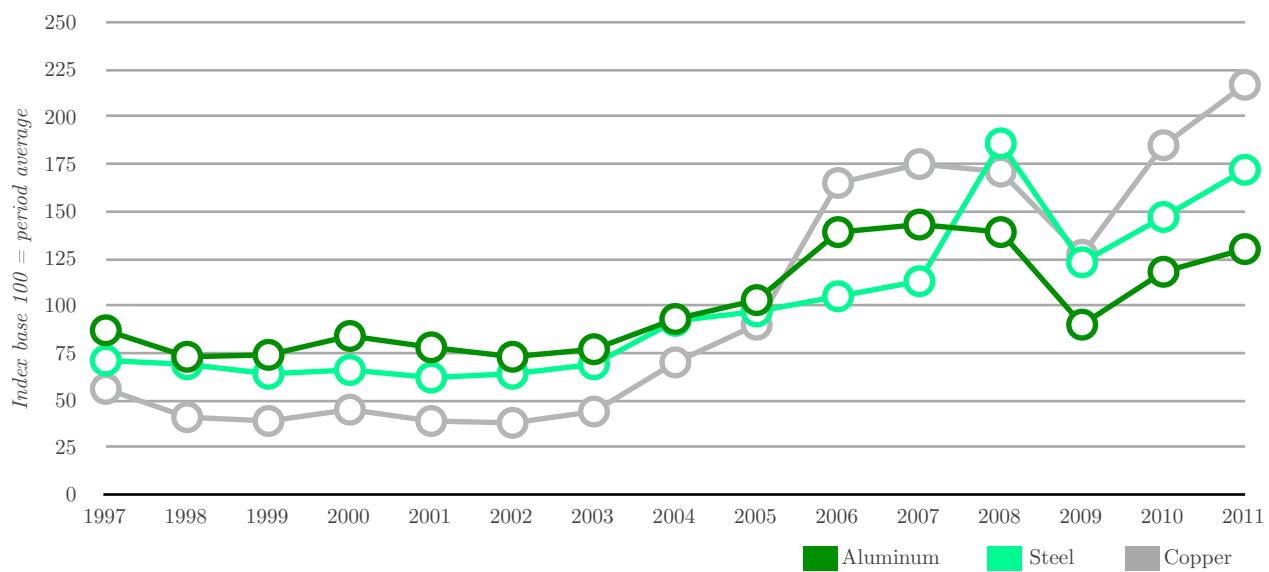
Fuente: London Metal Exchange, CRU Steel prices index, Bloomberg.

Economic figures

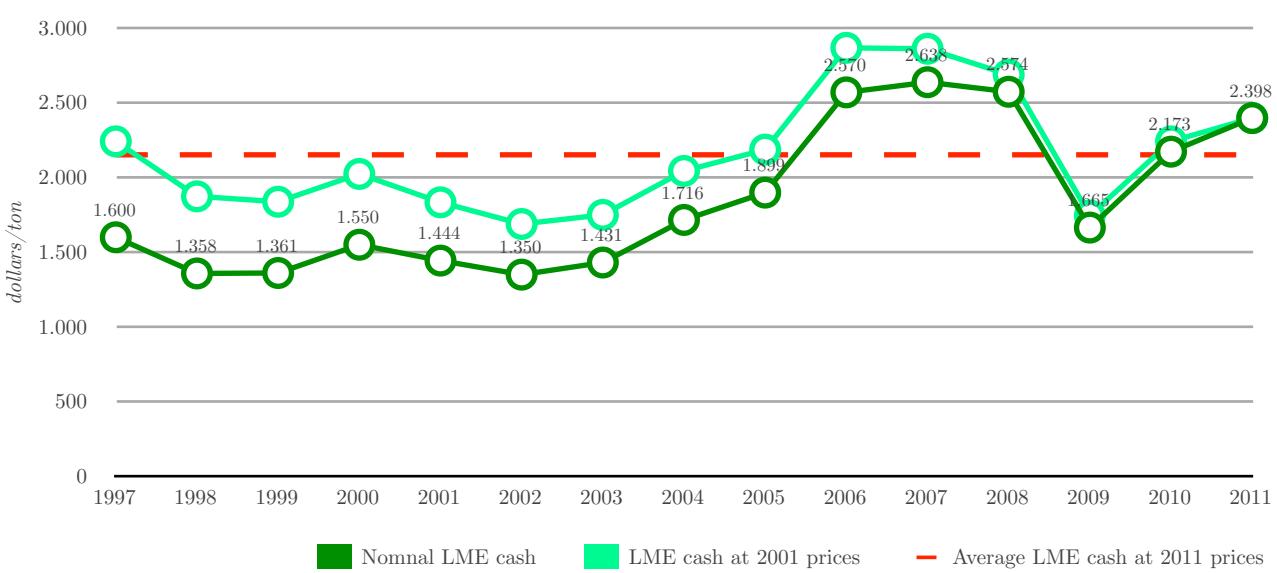


Price indexes

Evolution of industrial commodities international prices



Primary aluminum price evolution at 2011 prices (PCI United States)



Source: London Metal Exchange, CRU Steel prices index, Bloomberg.



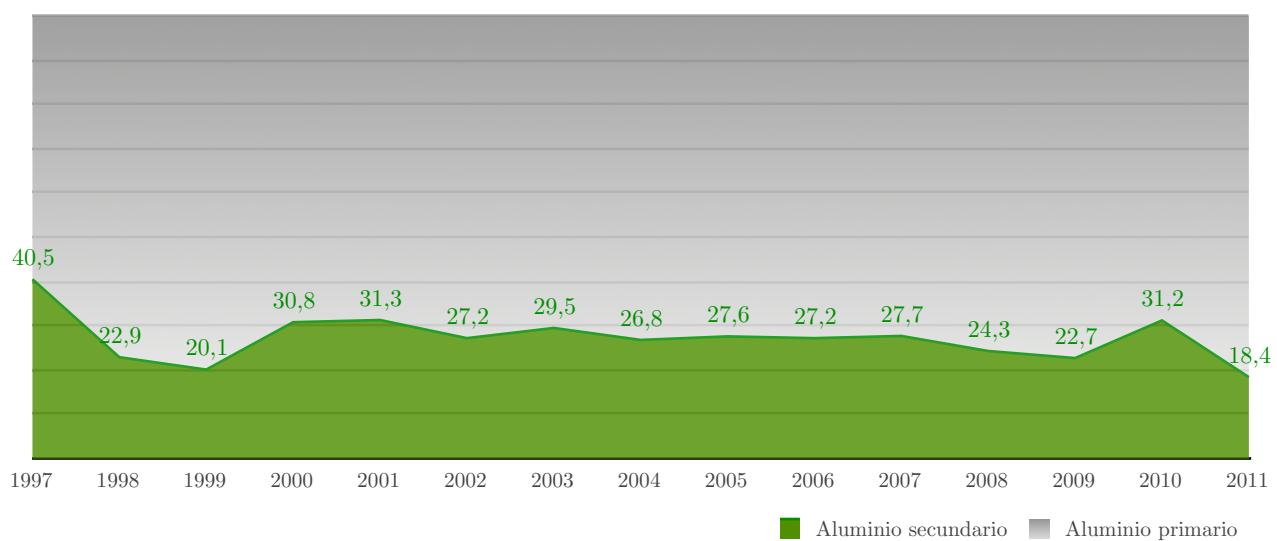
Indicadores económicos



Indicadores de reciclado [ton]

Descripción	año														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010r	2011
+ Producción elaborado MD [ton]	85.323	64.079	80.957	75.479	61.889	57.757	83.492	109.562	121.956	144.527	168.481	145.946	137.949	153.576	160.418
+ Exportación elaborado [ton]	36.854	26.689	35.217	38.181	28.979	45.007	35.068	35.182	39.497	32.465	29.410	32.448	34.026	39.124	47.226
= Producción doméstica elaborado [ton]	122.177	90.768	116.174	113.660	90.868	102.764	118.560	144.744	161.453	176.992	197.891	178.394	171.975	192.700	207.644
Provisión aluminio primario [ton]	72.763	69.962	92.862	78.621	62.485	74.887	83.508	106.080	116.759	128.908	142.947	135.129	132.842	132.469	169.412
Provisión secundario [ton]	49.414	20.806	23.312	35.039	28.383	27.877	35.052	38.664	44.694	48.084	54.944	43.265	39.133	60.231	38.232

Evolución del consumo doméstico de aluminio secundario [% de la provisión total]



Fuente: empresas productoras; INDEC.



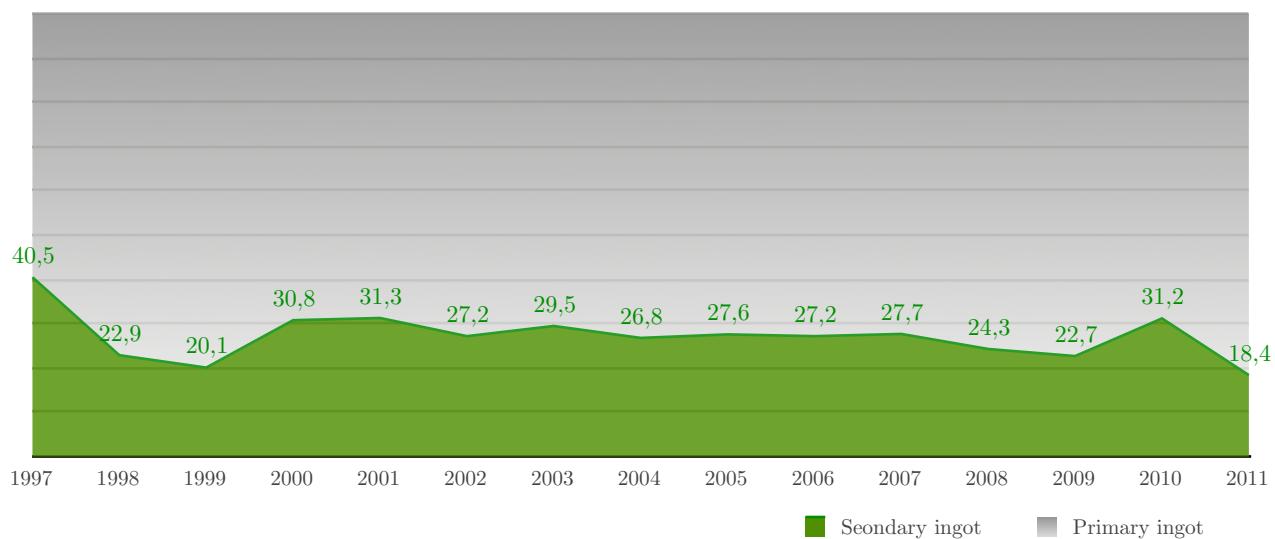
Economic figures



Recycling indexes [ton]

Description	year														
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010r	2011
+ Production of mill products to DM [ton]	85.323	64.079	80.957	75.479	61.889	57.757	83.492	109.562	121.956	144.527	168.481	145.946	137.949	153.576	160.418
+ Exports of mill products [ton]	36.854	26.689	35.217	38.181	28.979	45.007	35.068	35.182	39.497	32.465	29.410	32.448	34.026	39.124	47.226
= Domestic production of mill products [ton]	122.177	90.768	116.174	113.660	90.868	102.764	118.560	144.744	161.453	176.992	197.891	178.394	171.975	192.700	207.644
Primary ingot provision [ton]	72.763	69.962	92.862	78.621	62.485	74.887	83.508	106.080	116.759	128.908	142.947	135.129	132.842	132.469	169.412
Secondary ingot provision [ton]	49.414	20.806	23.312	35.039	28.383	27.877	35.052	38.664	44.694	48.084	54.944	43.265	39.133	60.231	38.232

Evolution of domestic consumption of secondary aluminium [% of total provision]



Fuente: empresas productoras; INDEC.



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Substitute accounts auditors		

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Criterios para la clasificación de productos

	Laminación	Extrusión	Fundición
Construcción civil	Flejes para cielorrasos; chapas para techos; membranas para techos; chapas para recubrir frentes; chapas de uso arquitectónico; chapas antideslizantes; paneles compuestos.	Perfiles para puertas y ventanas; perfiles para aplicaciones arquitectónicas; perfiles para cielorrasos; perfiles para carteles.	Chapas aluminizadas, piezas fundidas para radiadores para calefacción.
Envases	Hojas delgadas (foil) desnudas y compuestas para envases de alimentos, cigarrillos, etc.; tejos para aerosoles y pomos; chapas para envases de bebidas; chapas para tapas de envases y botellas.	(no hay productos identificados)	(no hay productos identificados)
Transporte	Chapas para camiones tanque; chapas para carrocería; flejes y foil (hojas delgadas) para calefactores y radiadores de vehículos; chapas para señales viales.	Tubos para radiadores; perfiles para puertas y ventanillas de ómnibus y carrocerías; perfiles para pisos de camiones.	Llantas de automóviles; pistones, blocks y tapas de motor; autopartes fundidas; chapas aluminizadas.
Industria eléctrica	Chapas para transformadores; compuestos para telefonía; foil para capacidores; chapas para artefactos y luminaria.	Perfiles para carcasas de motores eléctricos; perfiles para dispositivos para electrónica; perfiles para "bus bars"; perfiles para luminarias.	Cables a partir de colada continua; piezas fundidas para industria eléctrica.
Bienes de consumo	Chapas para heladeras y artículos del hogar; chapas para menaje; hojas delgadas para bandejas descartables; hojas delgadas para uso hogareño; chapas para antenas parabólicas de televisión; flejes para ojalillos.	Perfiles para antenas de televisión; tubos para heladeras; perfiles para mástiles de veleros; tubos para bicicletas; tubos para muebles; perfiles para escaleras de aluminio; perfiles para exhibidores refrigerados.	Mesas y sillas de aluminio fundido; menaje fundido; piezas fundidas para decoración.
Máquinas y equipos	Flejes para tubos de riego; flejes para intercambiadores de calor; chapas para tanques de almacenamiento; chapas para calderería; foil para aislación; chapas para bandejas para pescado y panaderías.	Tubos para riego; perfiles para uso industrial.	Piezas fundidas para maquinaria industrial; moldes fundidos; placas modelos.
Acerías	(no hay productos identificados)	(no hay productos identificados)	Posta; granalla; conos; estrellas; lingotes; alambrón.
Otros	Chapas para chapa patente; todo producto no incluido entre los anteriores.	Barras para tornería; tubos para remaches rápidos; todo producto no incluido entre los anteriores.	Alambre de soldadura; polvo para pintura y explosivos; polvo para fabricación de productos químicos; todo producto no incluido entre los anteriores.

Institutional



Criteria for product classification

	Rolling	Extrusion	Casting
Building and Construction	Ceiling coils; ceiling sheet; roof coating; architectural use sheet; anti-slip sheet; composite panel.	Doors and windows profiles; architectural application profiles; ceiling profiles; signboard profiles	Aluminized sheet; radiator cast parts.
Packaging	Foil, backed and not backed for packaging of food, cigarettes, etc.; slugs for aerosols and tubes; can stock; sheets for bottle caps.	(no identified products)	(no identified products)
Transportation	Sheets for tank trucks; sheets for bodywork; coils and foil for radiators; road sign sheets.	Radiator tubes; busses windows and doors profiles; truck floor profiles.	Automobile rims; pistons; engine blocks; engine covers; cast parts for automobiles; aluminized sheet.
Electric Industry	Transformer and capacitor sheets; foil for telephonic composites; sheets for electrical and lighting appliances.	Electric engine housing profiles; electronic dissipating devices profiles; bus bars; profiles for electrical and lighting appliances.	Continuous cast cables; cast parts for electric industry.
Consumer Durables	Sheets for refrigerators and other home appliances; cookware sheet; foil for semi-rigid containers; household foil; sheet for parabolic TV antennas; coils for shoe eyelets.	TV antennas profiles; refrigerator tubes; sailboat mast profiles; bicycle profiles; furniture tubes; ladder profiles; refrigerated exhibitors profiles.	Cast chairs and tables; cast cookware; cast decoration parts.
Machinery and Equipment	Coils for irrigation piping; industrial heat exchanger coils; tank sheet; caldron sheet; coils for insulation; fish and bakery tray sheet.	Irrigation piping tubes; industrial use profiles.	Cast parts for industrial machinery; cast molds.
Steelwork	(no identified products)	(no identified products)	Products for steel deoxidization.
Others	Car plate sheets; every product not included above.	Every product not included above.	Welding wire; paint and explosive powders; chemical product powders; every product not included above.

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