

# TABLA MATERIALES

## Material Table

## Tableau de Matériaux

GRUPO GROUP GROUPE	SUBGRUPO SUBGROUP S. GROUPE	MATERIALES MATERIALS MATÉRIAUX	DUREZA Hardness Dureté (HRC)	DUREZA Hardness Dureté (HB)	TRACCIÓN Tensile Traction (N/mm <sup>2</sup> )	
1. ACERO STEEL ACIER	1.1	<b>P.1</b> Aceros Construcción - Aceros Cementación Structural Steels - Case Hardening Steels Aciers de Construction - Aciers Superieurs	<24,5	<250	<850	
		<b>P.1</b> Aceros al Carbono No Aleados - Aceros Bonificados Unalloyed Carbon Steels - Heat-Treatable Steels Aciers au Carbone Sans Alliage - Aciers Superieurs				
	P	1.2	<b>P.2</b> Aceros Aleados Alloyed Steels Aciers Allies	<31,6	<300	<1000
		1.3	<b>P.3</b> Aceros Aleados Tratados - Aceros Bonificados Heat-Treatable Alloyed Steels Aciers Allies Superieurs	31,6-42,8	300-400	1000-1300
		1.4	<b>P.4</b> Materiales resistentes al desgaste Wear-Resistant Materials Matériaux résistant à l'usure	42,8-50,8	400-500	1300-1800
2.1		<b>P.5</b> INOX Ferríticos-Martensíticos Ferritic-Martensitic Stainless INOX Ferritiques-Martensitiques	<34	<320	<1100	
2. INOX STAINLESS STEEL INOX	2.2	<b>M</b> INOX Austeníticos Austenitic Stainless INOX Austenitiques	<24,5	<250	<850	
	3. FUNDICIÓN CAST IRON FONTE	3.1	<b>K</b> K.1 Fundición Gris Grey Cast Iron Fonte Grise		<200	<700
3.2		K.2 Fundición Nodular Nodular Cast Iron Fonte Nodulaire	<31,6	>200<300	>700<1000	
4. TITANIO TITANIUM TITANE		<b>S</b> Aleaciones Termorresistentes (Titanio, Inconel...) Heat-Resistant Alloys (Titanium, Inconel...) Alliages Thermorésistants (Titane, Inconel...)				
5. COBRE BRONCE - LATÓN COPPER BRONZE - BRASS CUIVRE BRONZE - LAITON	5.1	<b>N.1</b> Cobre - Bronce - Latón Viruta Corta Copper - Bronze - Brass (Short Chip) Cuivre - Bronze - Laiton (Copeaux Courts)		<200	<700	
	5.2	<b>N.2</b> Cobre - Bronce - Latón Viruta Larga Copper - Bronze - Brass (Long Chip) Cuivre - Bronze - Laiton (Copeaux Longs)		<200	<700	
6. ALUMINIO MAGNESIO ALUMINIUM MAGNESIUM	6.1	<b>N</b> N.3 Al - Mg No Aleado Unalloyed Al - Mg Al - Mg Sans Alliage		<100	<350	
	6.2	N.4 Aleaciones Al Si < 10% Al Alloys Si < 10% Alliages Al Si < 10%		<180	<600	
	6.3	N.5 Aleaciones Al Si > 10% Al Alloys Si > 10% Alliages Al Si > 10%		<180	<600	
7. MATERIALES SINTÉTICOS SYNTHETIC MATERIALS MATÉRIAUX SYNTHÉTIQUES	7.1	<b>N.6</b> Termoplásticos Thermo-Plastics Thermoplastiques				
	7.2	<b>N.7</b> Duroplásticos Hard-Plastics Plastiques Durs				
<b>H</b>		<b>H</b> Aceros Templados, Aceros Endurecidos Heat-Treated Alloys Aciers Trempés, Aciers Allies superieurs	45<70			

Sistema antiguo  
Old System  
Ancien système



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	UNE	N° MATERIAL	DIN	AFNOR	B.S.	UNI	AISI
<b>GRUPO GROUP GROUPE P ACEROS - STEELS - ACIERS</b>							
P.1	<b>ACEROS DE CONSTRUCCIÓN / STRUCTURAL STEELS / ACIERS DE CONSTRUCTION (&lt;850 N/mm² / &lt;250 HB)</b>						
	AE235B,FE360 B	1,0036	FE360 (ST 37-2)	E -42-2	FE 360 B	FE 360 B FU	A 570 GR.33,36
	AE235B,FE360B	1,0037	FE 360 B(RST 37-2)	E 24-2	FE 360 B	FE 360 B,C,D	A 283 CR.C
	AE275B,FE430BFN	1,0044	FE 430 B (ST 44-2)	E 28-2	FE 430 B FN	FE 430 B	A 570 GR.40
	A490-2,FE490-2FN	1,0050	FE 490-2 (ST 50-2)	A 50-2	FE 490-2 FN	FE 490	A 570 GR.50
	A590-2,FE590-2FN	1,0060	FE 590-2 (ST 60-2)	A 60-2	FE 590-2 FN	FE 60-2	A 572 GR.65
	A690-2,FE690-2FN	1,0070	FE 690-2 (ST 70-2)	A 70-2	FE 690-2 FN	FE 70-2,FE 690	
	AE 235 D,FE360D1FF	1,0116	FE 360D1 (ST 37-3)	A 24-3	FE 360 D1 FF	FE 360 C,D	A 284 GR.D
	<b>ACEROS DE CEMENTACIÓN / CASE HARDENING STEELS / ACIERS DE CIMENTERIE</b>						
	F.111	1,0401	C 15	AF 37 C 12	080 A 15	C 15	M 1015
F.1510-C10K	1,1121	CK 10	XC 10	040 A 10	C 10	1010	
F.1110-C15K	1,1141	C15	C18RR	080M15	C15	GR.1016	
	1,7015	15 CR 3	12C8	523M15		5015	
F.1516-16MNCr5	1,7131	16MNCr5	16MC5	527M17	16MNCr5	NO.5115	
F.150 D	1,7147	20MNCr5	20MC5		20MNCr5	5120	
<b>ACEROS DE FÁCIL MECANIZACIÓN / FREE-CUTTING STEELS / ACIERS D'USINAGE MECANIQUE FACILE</b>							
F.2111-11SMN28	1,0712	9SMN28	S 250	230M07	CF 9 SMN 28	1213	
F.2112-11SMN PB28	1,0718	9 SMN PB 28	S 250 PB		CF 9SMN PB28	12 L 13	
F.2121-10S20	1,0721	10S20	10F1	210M15	CF10S20	GR.1108	
F.210-G	1,0726	35S20	35 MF 6	212M36	CF 35 SMN 10	1140	
	1,0727	45 S 20	45 MF 4			1146	
F.2113-12SMN35	1,0736	9 SMN 36	S 300		CF 9 SMN 36	1215	
F.210-F	1,0723	15 S 20		210 A 15			
<b>ACEROS DE CONSTRUCCIÓN FUNDIDOS / CAST STEELS / ACIERS DE CONSTRUCTION FONTE</b>							
	1,0416	GS-83,3	A 42C-M	AM 1	FEG38VR	GR. N1	
	1,0551	GS-52	E26-52-M	161GR400A	GC20	GR.N 2	
	1,0553	GS-60	30M6M	A 3		GR.80-40	
	1,0554	GS-62	E26-52-M	AW3		GR.105-85	
<b>ACEROS AL CARBONO NO ALEADOS / UNALLOYED CARBON STEELS / ACIERS AU CARBONE SANS ALLIAGE</b>							
<b>ACEROS BONIFICADOS / HEAT-TREATABLE STEELS / ACIERS SUPERIEURS</b>							
F. 112	1,0402	C 22	1 C 22	070 M 20	C 25	M 1023	
F. 113	1,5010	C 35	C 35	40 HS	C 35	GR.1035	
F.114	1,0503	C 45	C 45	50 HS	C 45	GR.1043	
F.115	1,0535	C 55	C 54	50	C 55	GR.1055	
	1,0601	CK 60	C 60	60 HS,CS	C 60	1060	
F.1120-C25K	1,1151	CK 22	2 C 22	055 M 15	C 20, C 25	1020	
	1,1157	40 MN 4	35 M 5	150 M 36		1035	
F.1130-C35K	1,1181	CK 35	2 C 35	080 A 35	C 35	1038	
F.1140-C45K	1,1191	CK 45	2 C 45	080 M 46	C45	1045	
F.1150-C55K	1,1203	CK 55	2 C 55	060 A 57	C 55	1055	
	1,1221	CK 60	2 C 60	060 A 62	C 60	1060	
<b>ACEROS ALEADOS - ALLOYED STEELS - ACIERS ALLIES</b>							
<b>(&lt;1000 N/mm² / &lt;300 HB)</b>							
P.2	<b>ACEROS ALEADOS PARA HERRAMIENTAS / ALLOYED TOOL STEELS / ACIERS ALLIES POUR OUTILS</b>						
	F.5230-100 CR6	1,2067	100 CR 6	Y 100 C 6	BL 3		L 1 , L 3
	F.5212-X210CR12	1,2080	X210 CR 12	Z 200 C 12	B D 3	X 205CR12 KU	D 3
	F.5227-X100CRMO V5	1,2363	X 100 CRMO V5	Z 100	CDV 5	X100CRMOV51KU	A 2
		1,2379	X 155CRVMO 12	Z 160CDV12	BD2	X155CRVMO121KU	D 2
	F.5220-95MNCrW5	1,2510	100 MNCrW 4	90 MNCV 5	BO 1	95MNCrW5KU	O 1
		1,2550	60 WCrV 7	55 W C20	BS 1	55 WCr V8 KU	S 1
		1,2842	90MN CrV8	90 MNV8	B 02	90MNCrV8KU	O 2
	<b>ACEROS RÁPIDOS / HIGH SPEED STEELS / ACIERS RAPIDES</b>						
	F.5563.12-1-5-5	1,3202	HS 12-1-4-5	HS 12-1-5-5	BT 15	HS12-1-5-5	T 15
F.5553.10-4-3-10	1,3207	HS 10-4-3-10	Z130WKCDV	BT 42	HS 10-4-3-10	T 42	
F.5613-6-5-2-5	1,3243	HS 6-5-2-5	Z85WDKCV06	BM 35	HS 6-5-2-5	M 35	
F.5617-2-10-1-8	1,3247	S 2 10 1 8	Z110DKCVV	BM 42	HS 5-5-2	M 42	
F.5603-6-5-2	1,3343	HS 6-5-2	Z85WDCV06	BM 2	HS 6-5-2	M 2	
<b>FUNDICIÓN ALEADA / ALLOYED CAST IRON / FONTE ALLIEE</b>							
F.8372-AM26CRMO4	1,7218	GS-25 CRMO 4	25 CD 4	70 8A 25	25 CRM04	4130	
F.8331-AM34CRMO 4	1,7220	34 CRM 04	25 CD 4	708 A25	30 CRM04	4130	
<b>ACEROS BONIFICADOS / ALLOYED HEAT-TREATABLE STEELS / ACIERS SUPERIEURS</b>							
F. 114	1,0503	C 45	C 45	50 HS	C 45	GR.1043	
F.8331-AM34CRMO 4	1,7220	34 CRMO 4	25 CD4	708 A25	30 CRMO 4	4130	
F.8332-AM42CRMO 4	1,7225	41 CRMO 4	42 CD4	708M 40	38CRMO 4KB	GR.4140	
	1,7228	50 CRMO 4	50 CR MO 4	708 A 47		4150	
<b>ACEROS NITRURACIÓN / NITRIDING STEELS / ACIERS AVEC NITRATE</b>							
	1,7779	20 CRMOV 1 3 5					
	1,8504	34 CR AL 6					
F.1741-34CRAIMO 5	1,8507	34 CRAIMO 5	30 CAD 6,12		34 CR AI MO 7	A 355 Cl.D	
F.1740-41 CRAIMO 7	1,8509	41 CRAIMO 7	40 CAD 6,12	905 M 39	41 CR AI MO 7	A 355 Cl.A	
F.1712-31 CRMO 12	1,8515	31 CRMO 12	30 CD 12	722 M 24	30 CR MO 12		

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<b>ACEROS ALEADOS BONIFICADOS - HEAT-TREATABLE ALLOYED STEEL - ACIERS ALLIES SUPERIEURS (1000-1300 N/mm<sup>2</sup> / 300-400 HB)</b>								
<b>P.3</b>	<b>ACEROS ALEADOS HERRAMIENTAS / ALLOYED TOOL STEELS / ACIERS ALLIES OUTILS</b>							
		1,2311	40 CRMNMO 7					
		1,2312	40 CRMNMO 8 6					
	F.5213-X210CRW 12	1,2436	X 210 CRW 12	Z 200 CW 12		X 215 CRW 12 1 KU		
		1,2713	55 NICRMOV 6	55 NCDV	BH 224/5		L 6	
		1,2714	56 NICRMOV 7	55 NCDV 7	BH 224/5	56 NICRMOV7KU	L 6	
	<b>ACEROS ALEADOS HTAS. TRABAJO CALIENTE / TOOL STEELS WARM WORKING / ACIERS ALLIES OUTILS TRAVAIL EN CHAUD</b>							
	F.5317-X37CRMOV 5	1,2343	X38CRMOV5.1	Z 38CDV 5	BH 11	X37CRMOV51KU	H 11	
	F.5318-X40CRMOV 5	1,2344	X 40CRMOV 51	X 40CRMOV 5	BH 13	X 40CRMOV511KU	H 13	
	F.5318-X40CRMOV 5							
	F.5313-30CRMOV 12	1,2365	X 32CRMOV 3 3	32CDV12-28	BH 10	30CRMOV1227KU	H 10	
	F.5323-X30WCRV 9 3	1,2581	X30WCRV 9,3	Z30WCV 9	BH 21	X 30WCRV 93KU	H 21	
		1,2550	60 WCRV 7	55 WC 20	BS 1	55 WCRV 8 KU	S 1	
		1,2567	X 30 WCRV 5 3	Z 32 WCV 5		X 30 WCRV 53 KU		
	<b>ACEROS BONIFICADOS / HEAT-TREATABLE STEELS / ACIERS SUPERIEURS</b>							
		1,5864	35 N1CR 18					
		1,6580	30 N1CRMO 8					
	F-124 A	1,7361	32 CRMO 12	30 CD 12	722 M 24	32 CRMO 12		
	1,7707	30 CRMOV 9			31 CRMOV 10			
<b>ACEROS NITRURACIÓN / NITRIDING STEELS / ACIERS AVEC NITRATE</b>								
F.1712-31 CRMO 12	1,8515	31 CRMO 12	30 CD 12	722 M 24	30 CRMO 12			
	1,8523	39 CRMOV 13 9		897 M 39				
<b>P.4</b>	<b>Materiales resistentes al desgaste - Wear-Resistant Materials - Matériaux résistant a l'usage HARDOX 450 - XAR 450 - RAEX - FORA - CREUSABRO</b>							
<b>P.5</b>	<b>ACEROS INOX MARTENSÍTICOS / MARTENSITIC STAINLESS STEEL / ACIERS INOX MARTENSITIQUES (&lt;1100 N/mm<sup>2</sup> / &lt;320 HB)</b>							
	F.3402-X20CR13	1,4021	X 20 CR 13	X 20 CR 13	420 S 37	X 20 CR 13	420	
	F.3427-X19CRNI 17-2	1,4057	X 20 CRNI 17 2	Z 15 CN16,02	431 S29	X 16 CRNI16	431	
	F.3220-X45CRSI09-03	1,4718	X 45 CRSI 9,3	Z 45 CS9	401 S45	X 45CR SI 8	HNV 3	
	<b>ACEROS INOX FERRÍTICOS / FERRITIC STAINLESS STEELS / ACIERS INOX FERRITIQUES (&lt;1100 N/mm<sup>2</sup> / &lt;320 HB)</b>							
	F.3111-X6CRAI 13	1,4002	X 6 CRAI 13	Z 8CA 12	405 S17	X 6 CRAI 13	405	
	F.3401-X 10 CR 13	1,4006	X 10 CR13	Z 12 C 13	410 S2	X 12 CR 13	410	
	F.3113-X6 CR17	1,4016	X 6 CR 17	Z 8 C 17	430 S18	X 8 CR 17	430	
	F.3115-X5CRTI 17	1,4510	X 6 CRTI 17	Z 8CT 17		X 6 CRTI 17	430 TI	
		1,4512	X 6 CRTI 12	Z 6CT 12	409 S19	X 6 CRTI 12	409	
	<b>GRUPO GROUP GROUPE M ACEROS INOXIDABLES - STAINLESS STEELS - ACIERS INOX</b>							
	<b>ACEROS INOX AUSTENÍTICOS / AUSTENITIC STAINLESS STEELS / ACIERS INOX AUSTENITIQUES (&lt; 850 N/mm<sup>2</sup> / &lt;250 HB)</b>							
F.3507-X 10CRNI 18-8	1,4300	X 12 CRNI 18 8					302	
F.3504-X5CRNI 18-10	1,4301	X5 CRNI 18-10	X5 CRNI 18-10	304 S31	X5 CRNI 18-10		304	
F.3541-X2CRNIN 18-10	1,4311	X 2 CRNIN 18-10	Z 3CN 18.07AZ	304 S 61	X 2 CRNIN 18 11		304 LN	
F.3542-X2CRNIMON17-12-2	1,4406	X 2 CRNIMON 17-12-2	Z 3 CND17.11.02	316 S 61	X 2 CRNIMON 17 12		316 LN	
F.3533-X2CRNIMO17-13-2	1,4435	X2CRNIMO 18-14-3	Z3CND 17-12-03	316 S14	X2CRNIMO 1713		316 L	
F.3523-X6CRNITI 18-10	1,4541	X 6CRNITI 18-10	Z 6CNT 18-10	321 S31	X 6CRNITI 18 11		321	
F.3535-X6CRNITI 17-12-2	1,4571	X 6 CRNIMOTI 17 12 2	Z 6CNDT 17,12	320 S18	X 6 CRNIMOTI 17 12		316 TI	
F.3535-X6CRNIMOTI17-12	1,4573	X 10 CRNIMOTI 18 12		320 S33	X 6 CRNIMOTI 17 13		316 TI	
F.3312-X15CRNISI20-12	1,4828	X 15CRNISI 20 12	Z 17CNS 20 12	309 S24	X 16CRNI 23 14		309	
<b>GRUPO GROUP GROUPE K FUNDICIÓN - CAST IRON - FONTE</b>								
<b>K.1</b>	<b>FUNDICIÓN GRIS / GREY CAST IRON / FONTE GRISE (&lt;700N/mm<sup>2</sup>/&lt;200 HB)</b>							
		0.7033	GGG 35-3	FGS 370-71	GR.350/22	GS 370-17		
		0.7040	GGG 40	FGS 400-12	GR.420-12	GS 400-12	GR.60-40-18	
		0.7050	GGG 50	FGS 500-7	500/7	GS 500-7	65-45-12	
		0.7060	GGG 60	FGS 600-3	GR.600/3	GS 600-3	GR.80-55-06	
		0.8135	GTS 35-10	MN 35-10	B 35-12	B 35-10	GR.32510	
		0.8145	GTS 45-06	MN 450-6	P 45-06	P 45-06	GR.45006	
		0.8155	GTS 55-04	MN 550-4	P 55-04	P 55-04	6004	
<b>K.2</b>	<b>FUNDICIÓN NODULAR / NODULAR CAST IRON / FONTE NODULAIRE (700-1000N/mm<sup>2</sup> /200-300 HB)</b>							
		0.7070	GGG 70	FGS 700-2	GR.700/2	GS 700-2	100-70-03	
	0.8080	GGG 80	FGS 800-2	GR.800/2	GS 800-2	GR.120-90-02		

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<b>GRUPO GROUP GROUPE S</b>							
<b>ALEACIONES TERMORRESISTENTES - HEAT-RESISTANT ALLOYS - ALLIAGES THERMORÉSISTANTS</b>							
<b>TITANIO PURO / UNALLOYED TITANIUM / TITANE PUR (&lt;700 N/mm<sup>2</sup> / &lt;200 HB)</b>							
		3,7024	TI 99,5 GRADO 1	T 35			
		3,7034	TI 99,7 GRADO 2	T 40			
		3,7055	TI 99,4 GRADO 3	T 50			
		3,7065	TI 4	T 60			
<b>TITANIO ALEADO / ALLOYED TITANIUM / ALLIAGES TITANE (&lt; 900 N/mm<sup>2</sup> / &lt;270 HB)</b>							
		3,7114	TIAL 5 SN 2				
		3,7124	TICU 2,5	TU 2			
		3,7164	TIAL 6 V 4	T-AGV	2 TA 10		
<b>ALEACIONES NICKEL / NICKEL ALLOYS / ALLIAGES NICKEL: Inconel, Nimonic, Hastelloy... (&lt;1300 N/mm<sup>2</sup> / &lt;380 HB)</b>							
<b>GRUPO GROUP GROUPE N</b>							
<b>COBRE - LATÓN - BRONCE - COPPER - BRASS - BRONZE - CUIVRE - LAITON - BRONZE (&lt; 700 N/mm<sup>2</sup> / &lt;200-300 HB)</b>							
<b>BRONCES / BRONZE / BRONZES</b>							
		2,1020	CU SN 6				
C 7150		2,1030	CU SN 8				
<b>ALEACIONES COBRE VIRUTA CORTA / SHORT CHIPPING COPPER / ALLIAGE CUIVRE COPEAUX COURTS</b>							
		2,0360	CU ZN 40	CU ZN 40	CZ 109	P-CU ZN 40	C 28000
		2,0402	CU ZN 40 PB2	CU ZN 39 PB2	CZ 122		C 38000
<b>LATONES / BRASS / LAITONS (&lt; 700 N/mm<sup>2</sup> / &lt; 200-300 HB)</b>							
		2,0250	CU ZN 20	CU ZN 20	CZ 103		C 24000
		2,0265	CU ZN 30	CU ZN 30	CZ 106	P-CU ZN 30	C 26000
		2,0321	CU ZN 37	CU ZN 37	CZ 108		C 27400
<b>ALEACIÓN Cu VIRUTA LARGA / LONG CHIPS ALLOYED Cu / ALLIAGE Cu COPEAUX LONGS (&lt; 700 N/mm<sup>2</sup> / &lt;200-300 HB)</b>							
		2,1245	CUBE 1,7	CU BE 1,7	CB101		C 17000
		2,1247	CUBE 2	CU BE 1,9			C 17200
<b>GRUPO GROUP GROUPE N</b>							
<b>ALUMINIO - MAGNESIO - ALUMINIUM - MAGNESIUM</b>							
<b>Al - Mg SIN ALEAR / UNALLOYED ALUMINIUM - MAGNESIUM / ALUMINIUM - MAGNESIUM SANS ALLIAGE (&lt;350 N/mm<sup>2</sup> / &lt;100 HB)</b>							
		3,0250	Al 99,5 H				
		3,0280	Al 99,8 H				
<b>ALEACIONES ALUMINIO / ALUMINIUM ALLOYS / ALLIAGES ALUMINIUM Si&lt;10% (&lt; 600 N/mm<sup>2</sup> / &lt;180 HB)</b>							
L-3811		3,0515	AIMN 1	3103	3103	P-ALMN 1,2 CU	A 93003
L-3120-38-312		3,1325	AICUMG 1	2017 A		P-AICU4MGMNSI	A 92017
L-3140-38-314		3,1355	AICUMG 2	2024	2024	P-AICU4-4MGMN	2024
L-3710-38.371		3,4365	AIZNMGCU-1,5	7075	7075	P-AIZNMGCU-1,5	A 9775
<b>FUNDICIÓN ALUMINIO / CAST ALUMINIUM / FONTE ALUMINIUM</b>							
		3,3292	GD-AIMG 9	A-G105Y 4	LM 10		A 05200
<b>ALEACIONES ALUMINIO / ALUMINIUM ALLOYS / ALLIAGES ALUMINIUM Si&gt;10% (&lt;600 N/mm<sup>2</sup> / &lt;180 HB)</b>							
L-2560-61		3,2381	G-AISI 10 MG	A-S10G		G-AISI9MG	A-0359.0
L-2530		3,2583	G-AISI 11	A-S12U	LM 20	G-AISI13CUMN	A-04130
<b>GRUPO GROUP GROUPE N</b>							
<b>MATERIALES SINTÉTICOS - SYNTHETIC MATERIALS - MATERIELS SYNTHETIQUES</b>							
<b>TERMOPLÁSTICOS / THERMOPLASTICS / THERMOPLASTIQUES</b>							
		POLIPROPILENO			PP		
		POLISTIROL		PS			
		POLIVILNICLORITO			PVC		
		POLICARBONATO		MACRALON	PC		
ULTRAMID		POLIAMIDA		PA			
		POLIMETILMETACRILATO		PLEXIGLAS	PMMA		
<b>DUROPLÁSTICOS / HARD-PLASTICS / PLASTIQUES DURS</b>							
		BAQUELITA					
		PERTINAX					
		MOLTOPREN					
		RESOPAL	GRAFITO				
<b>GRUPO GROUP GROUPE H</b>							
<b>ACEROS TEMPLADOS, ACEROS ENDURECIDOS</b>							
<b>HEAT-TREATED ALLOYS - ACIERS TREMPÉS, ACIERS ALLIÉS SUPERIEURS</b>							