



ALUMINIUM PLATE TYPE 7XXX THICKNESS 25 TO 305

Removal of stresses by traction for thicknesses falling between 25 and 200.
Removal of stresses by compression for thicknesses falling between 205 and 305.

Mechanical characteristics

Thickness mm	Guaranteed minimum			Typical values			Hardness HBS
	R _m MPa	R _{p0.2} Mpa	A %	R _m MPa	R _{p0.2} Mpa	A %	
From 25 to 75	560	510	5	590	540	10	185
From 76 to 127	550	500	4	580	530	6	185
From 128 to 152	540	490	2,5	570	520	4	180
From 153 to 203	525	480	1	555	510	2	180
From 204 to 254	505	460	1	535	490	1,5	175
From 255 to 305	470	435	0,5	510	470	1,5	175

Physical properties

Specific weight Kg/dm ³	Linear expansion coefficient (0-100°C) 10/°C	Thermal conductivity (0-100°C) W/m.°C	Specific heat J/kg.°C	Modulus of elasticity Mpa	Compression modulus Mpa	Poisson Ratio	Melting range °C
2,82	23,7	153	857	72.000	72.000	0,33	475-630

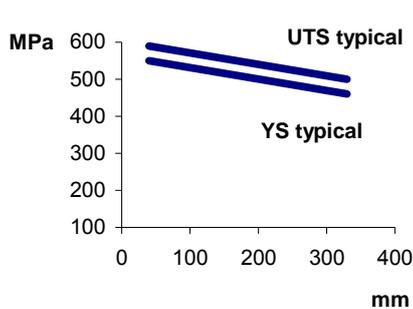
Technological suitabilities

Welding		Anodized	Mechanization	
Filling (TIG)	Good DC/Helium rod 5180, 5356, 4047, 4145	For protection	B	Chip fragmentation
		Decorative	avoid	Surface gloss
		Hard	MB	B

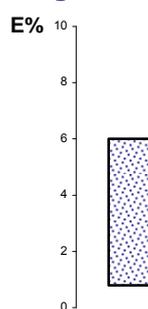
Applications

Prototype moulds and medium-sized and large moulds for plastics' injection.
Moulds for blowing and thermoforming.
Machine elements etc.

Mechanical properties



Elongation



Hardness

