



ALUMINIUMS Alloys ALUMOLD 2 400F

ALUMINIUM PLATE TYPE 7XXX FORGING THICKNESS 310 TO 800

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 325 to 400	320	260	12	370	320	14	
From 400 to 500	310	250	11	360	310	13	
From 500 to 600	300	240	10	350	300	12	
From 600 to 700							
From 700 to 800							

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
2,79	23,5	122	960	72.000	73.000	0,33	610-650

Technological suitabilities

Welding	Anodized	Mechanization
Assembly (MIG-TIG) B	For protection B	Chip fragmentation B
Filling (TIG) MB	Decorative avoid	Surface gloss MB
	Hard MB	

Applications

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