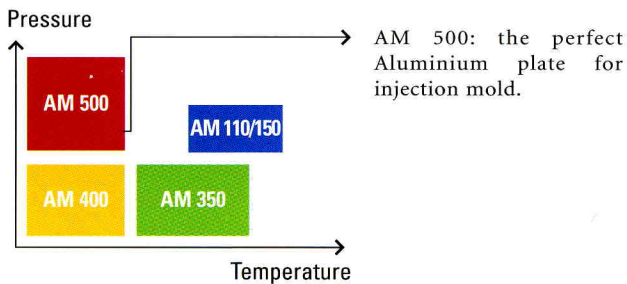


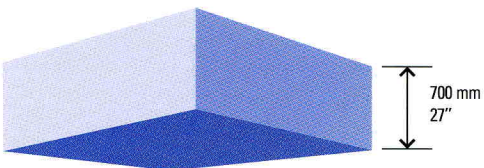
ALUMOLD® 500 forged

Description

Alumold® 500 forged gives superior mechanical properties with high elongation, providing a thick and durable product where hardness and performance are required.



Dimensions



Now available in thickness 175 - 700 mm (6 - 27 inch), widths 1220-1460 mm (48 - 57.4 inch).

Minimum and maximum lengths available depend on their cross section. Our sales office will be pleased to advise on these limits.

Mechanical properties

Thickness (mm)	Minimum values			Typical values		
	Rm MPa	Rp _{0.2} MPa	A %	Rm MPa	Rp _{0.2} MPa	A %
175 ≤ th ≤ 200	475	420	4	530	470	10
200 < th ≤ 300	465	400	3.5	520	460	9
300 < th ≤ 400	450	370	3	520	460	8
400 < th ≤ 450	430	350	3	520	460	7
450 < th ≤ 700	410	340	3	480	420	7

Thickness (inch)	Minimum values			Typical values		
	Rm ksi	Rp _{0.2} ksi	A %	Rm ksi	Rp _{0.2} ksi	A %
6 ≤ th ≤ 7	69	61	4	77	68	10
7 < th ≤ 11	67	58	3.5	76	67	9
11 < th ≤ 15	65	54	3	76	67	8
15 < th ≤ 17	62	51	3	76	67	7
17 < th ≤ 27	60	49	3	70	60	7

MPa, Rp_{0.2}, A value at 1/4 thickness (LT direction).

