

Mesa Italia S.R.L.

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Technical data sheet

MAGNUM ERGAL

Aluminum 7075 alloy

Percentage chemical composition (m/m)	
Si	0.4
Fe	0.5
Cu	1.2-2.0
Mn	0.4-1.0
Mg	0.6-1.2
Cr	0.18-0.28
Zn	5.1-6.1
Ti	Max 0.2
Al	By difference

Physical and mechanical properties	
Density	2.80 g/cm ³
Solidus-liquidus temperature	477-635°C
Melting point	580-650°C
Yield load strength (Rp 0.2)	500 MPa
Percentage elongation at fracture	11%
Modulus of elasticity	72 GPa
Vickers Hardness	175 HV