



1 ALUMINIUM ALLOY 4032 / GENERALITA' LEGA 4032

This Datasheet explains the chemical composition and mechanical properties of wrought products made from aluminium alloy.

La presente scheda definisce la composizione chimica della lega e le caratteristiche meccaniche dei semilavorati in lega di alluminio ottenuti da lavorazione plastica.

2 DESIGNATION / DESIGNAZIONE

- Conventional designation: **Al Si12,5MgCuNi**
Designazione convenzionale
- Numerical designation: **4032**
Designazione numerica

3 CHEMICAL COMPOSITION / COMPOSIZIONE CHIMICA – EN 573-3

Chemical composition %	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Others	
										Each	Total
4032	11.0 13.5	1.0 max	0.50 1.3	-	0.8 1.3	0.10 max	0.50 1.3	0.25 max	-	0.05 max	0.15 max

4 MECHANICAL PROPERTIES (indicative min values) / C. MECCANICHE

Product	Tempers	Direction Specimen	Rm [N/mm ²]		Rp _{0.2} [N/mm ²]		A _{50mm} %		Hardness Typical value HBW	
			min	max	min	max	min	max	min	Max
Extruded/Estruso EN 755-2	T6	L	375	410	295	335	5	12	110	135

For a complete evaluation, please refer to EN 755-2 (Extruded Product).

5 PHYSICAL PROPERTIES (indicative values) / CARATTERISTICHE FISICHE

Density	Conducibility % IACS (T6)
2.71 g/cm ³	33