



1 ALUMINIUM ALLOY 7020 / GENERALITA' LEGA 7020

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 Zn4.5Mg1**
Designazione convenzionale
- Numerical designation: **7020**
- *Designazione numerica*

3 CHEMICAL COMPOSITION / COMPOSIZIONE CHIMICA – EN 573-3

Chemical composition %	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Remarks	Others	
											Each	Total
7020	0.35 max	0.40 max	0.20 max	0.05 0.50	1.0 1.4	0.10 0.35	-	4.0 5.0	-	0.08-0.20 Zr	0.05 max	0.15 max
										0.08-0.25 Zr + Ti		

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

Product	Tempers	Dimensions [mm]		Direction Specimen	Rm [N/mm ²]		Rp0.2 [N/mm ²]		A _{50mm} % min	Hardness Typical value HBW
		D	S		min	max	min	max		
Extruded/Estruso EN 755-2	T6	D, S ≤ 50		L	350	-	290	-	8	110
		50 < D, S ≤ 200		L	340	-	275	-	-	110
Drawn/Trafilato EN 754-2	T6	D ≤ 80	S ≤ 50	L	350	-	280	-	8	110

For a complete evaluation, please refer to EN 755-2 (Extruded Product) and EN 754-2 (Drawn Product).

5 PHYSICAL PROPERTIES (indicative values) / CARATTERISTICHE FISICHE

Density	Conducibility % IACS (T6)
2.71 g/cm ³	37