



1 ALUMINIUM ALLOY 7055 / GENERALITA' LEGA 7055

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 8.0Zn2.3Cu2.0Mg0.16Zr**
Designazione convenzionale
- Numerical designation: **7055**
Designazione numerica

3 CHEMICAL COMPOSITION / COMPOSIZIONE CHIMICA

Chemical composition %	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Zr	Others	
										Each	Total
7055 (in according to The Aluminum Association)	0.10 max	0.15 max	2.0 2.6	0.05 max	1.8 2.3	0.04 max	7.6 8.4	0.06 max	0.08 0.25	0.05	0.15

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

	Product	Tempers	Dimensions [mm]	Direction Specimen	Rm Min. [N/mm ²]	Rp _{0.2} Min. [N/mm ²]	A _{50mm} Min. %
In according to SAE AMS 4324 specification	Extruded/Estruso	T74511	≤ 6,34	L	572	524	8
	Extruded/Estruso	T74511	6,34 – 12,68	L	579	531	8
	Extruded/Estruso	T74511	12,68 – 76,20	L	586	538	8
In according to SAE AMS 4336 specification	Extruded/Estruso	T76511	≤ 6,34	L	614	586	7
	Extruded/Estruso	T76511	6,34 – 12,68	L	621	586	9
	Extruded/Estruso	T76511	12,68 – 76,20	L	627	593	9

5 PHISICAL PROPERTIES (indicative values) / CARATTERISTICHE FISICHE

	Density	Conducibility % IACS
In according to SAE AMS 4324 specification (Temper T74511)	2.71 g/cm ³	≥ 37,5
In according to SAE AMS 4336 specification (Temper T76511)	2.71 g/cm ³	≥ 35