



## 1 ALUMINIUM ALLOY 2017A / GENERALITA' LEGA 2017A

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 Cu4MgSi(A)**  
*Designazione convenzionale*
- Numerical designation: **2017A**  
*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
<b>2017A</b>	0.20 0.8	0.7 max	3.5 4.5	0.40 1.0	0.40 1.0	0.10 max	-	0.25 max	-	0.25 Zr + Ti	0.05 max	0.15 max

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

Product	Tempers	Dimensions [mm]		Direction Specimen	Rm [N/mm <sup>2</sup> ]		Rp <sub>0.2</sub> [N/mm <sup>2</sup> ]		A <sub>50mm</sub> % min	Hardness Typical value HBW
		D	S		min	max	min	max		
Extruded/Estruso EN 755-2	O, H111	D, S ≤ 200		L	-	250	-	135	10	45
	T4, T4510, T4511	D, S ≤ 25		L	380	-	260	-	10	105
		25 < D, S ≤ 75		L	400	-	270	-	-	
		75 < D, S ≤ 150		L	390	-	260	-	-	
		150 < D, S ≤ 200		L	370	-	240	-	-	
200 < D, S ≤ 250		L	360	-	220	-	-	-		
Drawn/Trafilato EN 754-2	O, H111	D, S ≤ 80		L	-	240	-	125	10	45
	T3	D, S ≤ 80		L	400	-	250	-	8	105
	T351	D, S ≤ 80		L	400	-	250	-	6	

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 (T3)
2.8 g/cm <sup>3</sup>	31-33