



1 ALUMINIUM ALLOY 6026 / GENERALITA' LEGA 6026 (ROHS compliant, Pb<0.4%)

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 MgSiBi**
Designazione convenzionale
- Numerical designation: **6026**
Designazione numerica

3 CHEMICAL COMPOSITION / COMPOSIZIONE CHIMICA – EN 573-3

Chemical composition %	Si	Fe	Cu	Mn	Mg	Cr	Ti	Zn	Pb	Bi	Sn	Others	
												Each	Total
6026	0.60 1.40	0.70 max	0.20 0.50	0.20 1.0	0.60 1.2	0.30 max	0.20 max	0.30 max	0.40 max	0.50 1.5	0.05 max	0.05 max	0.15 max

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

Product	Tempers	Dimensions [mm]		Direction Specimen	Rm [N/mm ²] min	Rp _{0.2} [N/mm ²] min	A _{50mm} % min.	Hardness Typical value HBW
		D	S					
Extruded/Estruso EN 755-2	T6, T6510, T6511	D, S ≤ 140		L	370	300	6	95
		140 < D, S ≤ 200		L	340	250	6	90
		200 < D, S ≤ 250		L	300	200	6	90
Drawn/Trafilato EN 754-2	T6	D, S ≤ 80		L	370	300	6	95
	T8	D ≤ 80	S ≤ 60	L	345	315	3	
	T9	D ≤ 80	S ≤ 60	L	360	330	3	

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 (T651)
2.71 g/cm ³	45-48