

6026 AB

LEAD FREE



aluminium bozen

ALUMINIUM BOZEN - Extrusion Aluminum Alloys

According to 2011/65/EU (RoHS), 2018/740/EU (RoHS II) and 2000/53/CE (ELV)

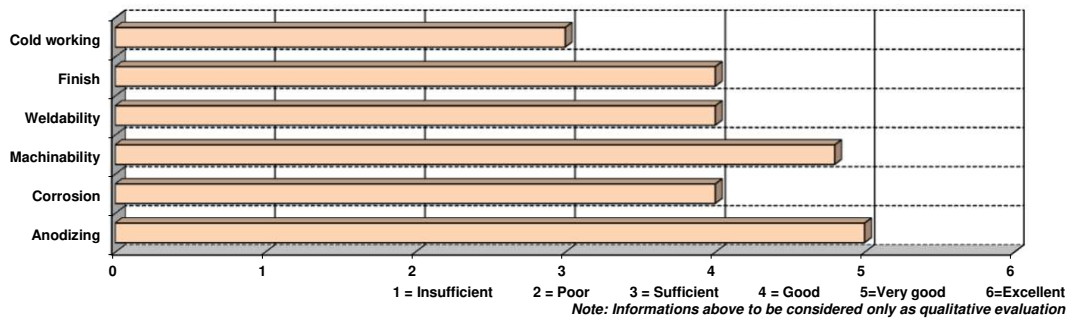
Alloy description

Mg-Si-Bi-Sn aluminium alloy mainly suitable for those free machining and automotive components, electronic and electrical parts as well as "forging stock" products where mechanical strength and good corrosion resistance, as well as finishing are required to match.

Main features:

- medium/high mechanical properties
- very good machinability
- good corrosion resistance

Alloy technological properties - T6 Temper



6026 AB Chemical composition		typical mechanical properties							Physical properties					
Si %	0,6 - 1,4	Temper	Product	Dim mm	Rm [MPa]		Rp _{0,2} [MPa]		A%	HB Typical	Density	kg/dm ³	2,72	
Fe %	0,70 max				min	max	min	max			Modulus	Mpa	69000	
Cu %	0,20 - 0,50	T6, T6510 T6511	Rod/Bar	≤ 140	370	-	300	-	8	95	Heat capacity (at 20°)	W	m ³ K	172
Mn %	0,20 - 1,0			140 < D ≤ 200	340	-	250	-	8	90				
Mg %	0,6 - 1,2	T6, T6510 T6511	Ext./tube	200 < D ≤ 250	300	-	200	-	8	90	Coeff. of thermal exp. (at 20°)	x 10 ⁻⁶	°C	23,2
Cr %	0,30 max			t ≤ 30	340	-	260	-	8	90				
Ti %	0,20 max	T6, T6510 T6511	Ext./profile	t ≤ 40	340	-	260	-	8	90	Conductivity (at 20°)	MS	m	25,7
Zn %	0,30 max			Other conditions may be available and agreed upon Customer request.										
Pb %	0,05 max	The values given above represent typical figures and may be different depending on product dimension.												
Bi %	0,5-1,5													
Sn %	0,05 max													
Others, each %	0,05 max													
Others, total %	0,15 max													

Note: Aluminium Bozen does not guarantee or accept any liability for the accuracy of the data provided above, even though is making every effort to ensure their consistency.

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