

# AA 6020



aluminium bozen

## ALUMINIUM BOZEN - Extrusion Aluminum Alloys

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

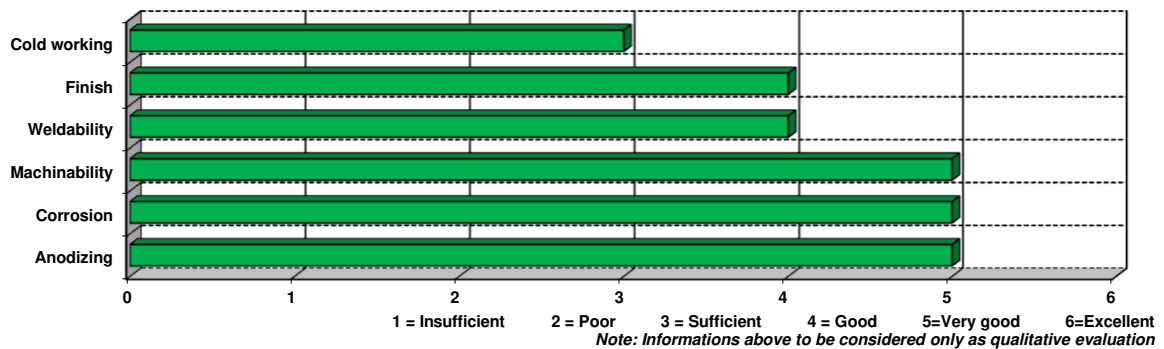
### Alloy description

Mg-Si based aluminium alloy mainly suitable for products/ parts requiring very good machinability, as well as high corrosion resistance, good joining and excellence response to anodizing.

Main features:

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

### Alloy technological properties - T6 Temper



#### Chemical composition in accordance with AA(\*)

Si %	0,40 - 0,9
Fe %	0,50 max
Cu %	0,30 - 0,9
Mn %	0,35 max
Mg %	0,6 - 1,2
Cr %	0,15 max
Ti %	0,15 max
Zn %	0,20 max
Pb %	0,05 max
Sn %	0,9 - 1,5

#### Mechanical properties

Temper	Product	Rm [MPa]		Rp <sub>0,2</sub> [MPa]		A <sub>5</sub> %	HB Typical
		min	max	min	max		
T6	Rod/Bar Profile	303	-	280	-	10	100

Other conditions may be available and agreed upon Customer request.

The values given above represent typical figures and may be different depending on product dimension.

#### Physical properties

Density	kg/dm <sup>3</sup>	2,71
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Others, each %	0,05
Others, total %	0,15
Al %	Remaining
0,50-1,5 Bi; 0,40 Pb; 0,05 Sn	

(\*) AA = Aluminium Association

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.

Aluminium Bozen  
Via Toni Ebner, 24 - 39100 Bolzano - ITALY