

Aluminium

6026 T9 Bar

Datasheet Updated
05 August 2021

RANGE

Product Form	Imperial Sizes	Metric Sizes
Round Bar	3/16" - 16"	6.0mm - 50.0mm

SPECIFICATIONS

Commercial	6026 T9
EN	6026 T9

Tin free aluminium alloy machining bar recently developed to meet European Environmental Protection Directives.

CHEMICAL COMPOSITION

Element	% Present
Manganese (Mn)	0.20 - 1.00
Iron (Fe)	0.00 - 0.70
Magnesium (Mg)	0.60 - 1.20
Silicon (Si)	0.60 - 1.40
Copper (Cu)	0.20 - 0.50
Lead (Pb)	0.00 - 0.40
Bismuth (Bi)	0.50 - 1.50
Zinc (Zn)	0.00 - 0.30
Tin (Sn)	0.00 - 0.05
Chromium (Cr)	0.00 - 0.30
Titanium (Ti)	0.00 - 0.20
Other (Each)	0.00 - 0.05
Others (Total)	0.00 - 0.15
Aluminium (Al)	Balance

TEMPER TYPES

The most common temper for 6026 aluminium is:

- T9

SUPPLIED FORMS

- Bar

APPLICATIONS

- Machined parts especially on high speed automatic lathes
- Decorative anodising
- Hard anodising
- Hot forging
- Automotive components such as brake systems
- Electrical & electronic parts

CHARACTERISTICS

- Excellent corrosion resistance
- Suitable for anodising to provide both decorative and hard anodised finishes
- Good alternative to alloys 6061 and 6082
- Extruded Bars in alloy 6026 have the same minimum tensile strength as alloys 2011 & 2030
- Good weldability
- 6026 can be used in place of alloys 6082 or 6081, especially where the finished parts require extensive machining on high speed automatic lathes and machining centres

MECHANICAL PROPERTIES

6026 T9

Extruded and Drawn Bar

Property	Value
Proof Stress	330 Min MPa
Tensile Strength	360 Min MPa
Elongation A50 mm	4 Min %
Hardness Brinell	95 Min HB
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Proof Stress	330 Min MPa
Tensile Strength	360 Min MPa
Elongation A50 mm	4 %
Hardness Brinell	95 Min HB

DISCLAIMER

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