



THAMES
STOCKHOLDERS

6026 Aluminium

COMMERCIAL ALUMINIUM ALLOY

Page: 1 of 1



Product Overview

6026 aluminium alloy is suitable for anodising to provide both hard anodised and decorative finishes.

The alloy was recently developed to meet the requirements of the European Environmental Protection Directives and offers excellent corrosion resistance. The alloy is highly suited to extensive machining with high-speed automatic lathes. 6026 does not contain tin (Sn) as an alloying element, as its inclusion can cause cracking in machine parts when subjected to stress and elevated temperature.

Availability:

- Bar

Applications

- Electrical parts, machined components
- Automotive components
- Braking systems
- Hot forging

Key Features

- Suitable for anodising
- For use on high-speed automatic lathes
- Excellent corrosion resistance
- Meets EU Environmental Directive

* Chemical Composition (weight, %)

	Bi	Si	Mg	Mn	Cu	Fe	Pb	Zn	Cr	Ti	Sn	Al	Other
Min.	0.50	0.60	0.60	0.20	0.20							Bal	
Max.	1.50	1.40	1.20	1.00	0.50	0.70	0.40	0.30	0.30	0.20	0.05	Bal	0.15

* Properties as per BS EN 573-3

* Mechanical Properties

Tensile Strength	370 MPa min
Elongation A50 mm	6%
Proof Stress	300 MPa min
Brinell Hardness	95 HB (typical)

* Properties as per BS EN 755-2, T6/T6510/T6511 (<140mm)

Physical Properties

Density	2.72 g/cm ³
Thermal Expansion	23.4 ×10 ⁻⁶ /K
Modulus of Elasticity	69 GPa
Thermal Conductivity	138 W/m.K

Material Specifications: A95754, AlMgSiBi, Al Mg3, AW-6026



Thames Stockholders

Unit 5W, Woodall Road, Redburn Industrial Estate
Ponders End, Enfield, Middlesex EN3 4LQ

Tel: +44 (0)20 8805 3282



SCAN ME



sales@thamesstock.com



www.thamesstock.com

All information in our data sheet is based on approximate testing and is stated to the best of our knowledge and belief. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of trading.