

Aluminium - 6082 T6

Flag Bulbs

| Stock | Weight/m (Kg) |
|---|---------------|
| Size (mm) | |
| 45 x 4 | 0.61 |
| 50 x 5 | 0.81 |
| 60 x 3.3 | 0.74 |
| 60 x 4 | 1.11 |
| 60 x 6 | 1.25 |
| 76.2 x 5.4 | 1.40 |
| 80 x 6 | 1.76 |
| 98.7 x 5.35 | 1.72 |
| 100 x 4.2 | 1.64 |
| 100 x 6 | 3.38 |
| 120 x 6 | 4.05 |
| 140 x 5.1 | 2.95 |
| 155 x 5.5 | 3.58 |
| 185 x 6.2 | 5.03 |
| 215 x 6.5 | 6.19 |
| Bespoke sections can be supplied to specific customer requirements. | |

Properties

| Chemical Properties | |
|------------------------|------------------------------|
| Element | Chemical composition % |
| Manganese (Mn) | 0.40 - 1.00 |
| Iron (Fe) | 0.0 - 0.50 |
| Magnesium (Mg) | 0.60 - 1.20 |
| Silicon (Si) | 0.70 - 1.30 |
| Copper (Cu) | 0.0 - 0.10 |
| Zinc (Zn) | 0.0 - 0.20 |
| Titanium (Ti) | 0.0 - 0.10 |
| Chromium (Cr) | 0.0 - 0.25 |
| Aluminium (Al) | Balance |
| Mechanical Properties | |
| Property | Value |
| Proof Stress | 170 MPa |
| Tensile Strength | 260 MPa |
| Elongation | 19% |
| Shear Strength | 170 MPa |
| Hardness Vickers | 75 HV |
| Physical Properties | |
| Property | Value |
| Density | 2.70 g/cm ³ |
| Melting Point | 555°C |
| Thermal Expansion | 24 x 10 ⁻⁶ /K |
| Modulus of Elasticity | 70 GPa |
| Thermal Conductivity | 180 W/m.K |
| Electrical Resistivity | 0.038 x 10 ⁻⁶ Ω.m |

Disclaimer

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