6063 Aluminium - Specification

ZORLANG ALUMINUM GB/T 3190 / GB/T 3880 / ASTM B209 / EN 485-2 / GB/T 6892 T5

Dimensions and supply

Series	**6xxx**
Typical temper	**T5**
Thickness	**0.8 - 20 mm wall**
Width	**up to 400 mm section**
Length	**up to 12,000 mm**
Surface	**Mill finish, Anodised, Powder coated**
Density	**2.70 g/cm**
Melting range	**585 - 655 degC**

Chemical composition (wt %)

Mg	**0.45 - 0.90**
Si	**0.20 - 0.60**
Fe	**0.35 max**
Cu	**0.10 max**
Al	**remainder**

Mechanical properties

Tensile strength Rm	**175 MPa**
Yield strength Rp0.2	**130 MPa**
Elongation A	**12 %**
Hardness	**60 HBW**

Typical values. The mill test certificate issued for your heat is the governing document.