6082 Aluminium - Specification

ZORLANG ALUMINUM GB/T 3190 / GB/T 3880 / ASTM B209 / EN 485-2 / GB/T 6892 T6

Dimensions and supply

Series	**6xxx**
Typical temper	**T6**
Thickness	**0.2 - 150 mm**
Width	**up to 2,650 mm**
Length	**up to 12,000 mm**
Surface	**Mill finish, PVC coated, Anodised**
Density	**2.70 g/cm**
Melting range	**555 - 650 degC**

Chemical composition (wt %)

Mg	**0.60 - 1.20**
Si	**0.70 - 1.30**
Mn	**0.40 - 1.00**
Cr	**0.25 max**
Al	**remainder**

Mechanical properties

Tensile strength Rm	**310 MPa**
Yield strength Rp0.2	**260 MPa**
Elongation A	**10 %**
Hardness	**95 HBW**

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