5083 Aluminium - Specification

ZORLANG ALUMINUM GB/T 3190 / GB/T 3880 / ASTM B209 / EN 485-2 / GB/T 6892 H116, H321

Dimensions and supply

Series	**5xxx**
Typical temper	**H116, H321**
Thickness	**0.2 - 150 mm**
Width	**up to 2,650 mm**
Length	**up to 12,000 mm**
Surface	**Mill finish, PVC coated, Anodised**
Density	**2.66 g/cm**
Melting range	**574 - 638 degC**

Chemical composition (wt %)

Mg	**4.0 - 4.9**
Mn	**0.40 - 1.00**
Cr	**0.05 - 0.25**
Fe	**0.40 max**
Al	**remainder**

Mechanical properties

Tensile strength Rm	**305 MPa**
Yield strength Rp0.2	**215 MPa**
Elongation A	**16 %**
Hardness	**70 HBW**

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