2618A Aluminum Rod

2618A Al rod (Cu-Mg-Ni, as drawn) for racing engine pistons & aerospace components — retains strength to 200 °C, maximum service temperature 300 °C. **SKU:** 1000238831-group
Product Code: AX12-RD

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell(HBW)	140-145
Elongation at break(%)	6-7
Modulus of elasticity(GPa)	72
Tensile strength(MPa)	410-420

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	4.4

Thermal Properties

Element	Value
Melting point(C)	560-650
Thermal conductivity(W m?¹ K?¹)	150.1
Coefficient of thermal expansion(x10?? K?¹)	22

Physical Properties

Element	Value
Density(gcm?³)	2.75