6061 Aluminum Rod

6061 Al rod (T651, 260 MPa, HBW 95) — stress-relieved for precision machining of rail vehicle, aircraft & structural engineering components — weldable. **SKU:** 1000239147-group
Product Code: AB19-RD

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	12-25
Tensile strength(MPa)	124-290

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	3.9-4.1

Thermal Properties

Element	Value
Maximum use temperature in air(C)	130-150
Melting point(C)	585
Specific heat(J K?¹ kg?¹)	878-914
Thermal conductivity(W m?¹ K?¹)	152-169
Coefficient of thermal expansion(x10?? K?¹)	22.7-23.9

Physical Properties

Element	Value
Density(gcm?³)	2.7