8079 Aluminium Disc

8080 Al disc (soft annealed & hard) for Erichsen cupping, cold-form blister forming studies, corrosion testing & barrier coating adhesion trials. **SKU:** 1000238480-group
Product Code: AY14-FL

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell(HBW)	45-55
Elongation at break(%)	2.2
Modulus of elasticity(GPa)	69
Tensile strength(MPa)	150

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	2.97

Thermal Properties

Element	Value
Melting point(C)	640-650
Thermal conductivity(W m?¹ K?¹)	230
Coefficient of thermal expansion(x10?? K?¹)	23

Physical Properties

Element	Value
Density(gcm?³)	2.8