3103 Aluminum Disk

3103 Al disk (Mn-modified, as rolled) for Erichsen cupping, corrosion immersion & weldability studies — model alloy for HX and appliance forming research. **SKU:** 1000238879-group
Product Code: AH21-FL

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell(HBW)	45
Elongation at break(%)	3
Modulus of elasticity(GPa)	69.5
Tensile strength(MPa)	140-180

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	3.41

Thermal Properties

Element	Value
Melting point(C)	640-655
Thermal conductivity(W m?¹ K?¹)	170.9
Coefficient of thermal expansion(x10?? K?¹)	23.1

Physical Properties

Element	Value
Density(gcm?³)	2.73