

Borosilicate Glass Rod

Formula: SiO₂ 81% / B₂O₃ 13% / Na₂O 4%

Diameter: 0.9mm

Length: 100mm

Type: As-cut

UOM Code: 021-503-89

SKU: 1000002552-group

Product Code: SI81-RD-000109

Material Properties for Glasses

Chemical Resistance

Element	Value
Acids - concentrated	0
Acids - dilute	0
Alkalis	0
Halogens	0
Metals	0

Electrical Properties

Element	Value
Dielectric constant	0
Dielectric strength(kV mm ⁻¹)	0
Volume resistivity(Ohmcm)	0

Mechanical Properties

Element	Value
Poisson's ratio	0
Tensile modulus(GPa)	0
Hardness - Knoop(kgf mm ⁻²)	0
Hardness - Vickers(kgf mm ⁻²)	0
Shear strength(MPa)	0
Tensile strength(MPa)	0
Fracture toughness(MPam ^{0.5})	0

Physical Properties

Element	Value
Refractive index	0
Useful optical transmission range	0
Apparent porosity(%)	0
Water absorption - saturation(%)	0
Density(gcm ³)	2.23

Thermal Properties

Element	Value
Melting point(C)	0
Sublimation point(C)	0
Upper continuous use temperature(C)	0
Specific heat(J K ⁻¹ kg ⁻¹)	0
Thermal conductivity(W m ⁻¹ K ⁻¹)	0
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	0

Pultrusions

Element	Value
Compressive strength(MPa)	0