

Technical Specification Datasheet

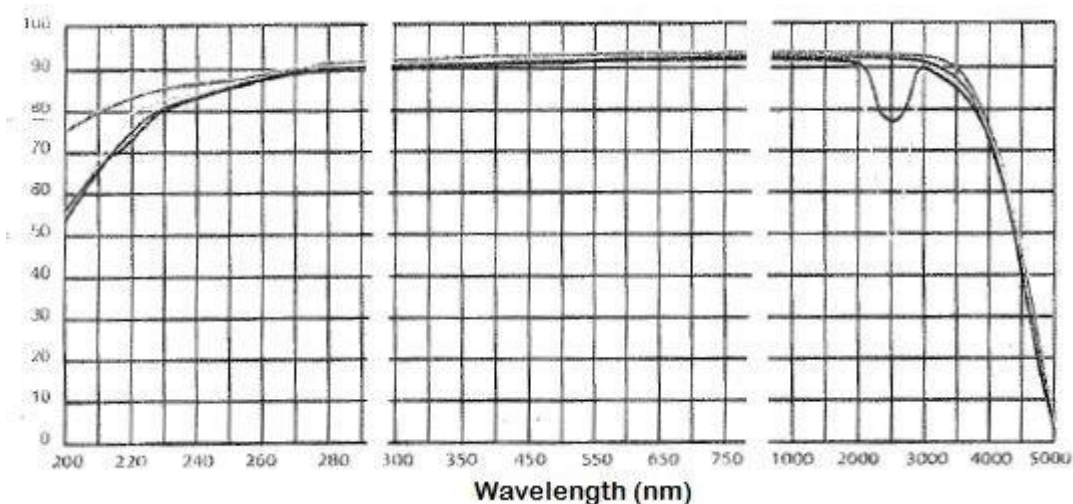
➤ Thermal Properties

Thermal Conductivity	1.38(W/m ² K)	
Coefficient Of t\Thermal Expansion(0~1000°C)	0.55(10 ⁻⁶ /°C)	
Normal Operating Temperature	Continuo us Usage	~1050°C
	Non Continuo us Usage	~1250°C
Strain Point	~1075°C	
Annealing Point	~1180°C	
Hot Pressing Temperature	~1700°C - 2100°C	
Devitrification Temperature	Starting at ~1000° C. high temperature accelerates Devitrification, especially with surface contaminants such as alkaline solution, salts, and vapors.	

➤ **Physical Properties**

	Units of Measure	Value
Density	gm/cc (lb/ft ³)	2.2
Porosity	%(%)	0
Tensile Strength	10 ⁶ Pa	48.3
Young's Modulus	10 ⁶ Pa	71.7
Hardness	Kg/mm ²	600
Thermal Conductivity	W/m.K	1.38
The coefficient of Thermal Expansion	10 ⁻⁶ /°C	0.55
Specific Heat	J/Kg.K	740
Dielectric Strength	Ac-kv/mm (volts/mil)	30
Dielectric Constant	@1MHz	3.82
Index of refraction @ 587.6nm	--	1.4585

Transmission



Techinstro assures the above specification and dimensions of the product as per datasheet. We ensure the quality of the product with moisture proof packing. This sheet is also available on the website, where researcher or purchaser can also download it merely by clicking on the pdf link. The terms and condition for the product purchase mentioned in the quotation. For safe product storage, tips and procedure provided with the material. For more queries, contact our technical support.