

Physical properties			
Characteristic	Method of verification	Unit	PC
I. Physical Properties			
Density	ISO 1183	g/cm ³	1.20
Water absorpoin	ISO 62	%	0.35
II. Mechanical Properties			
Tensile strength at yield	ISO 527-2	MPa	65
Tensile strength at break	ISO 527-2	MPa	
Elongation at break	ISO 527-2	%	60.00
Modulus of elasticity after tensile test	ISO 527-2	MPa	
Modulus of elasticity after flexural test	ISO 178	MPa	
Hardness-Rockwell	ISO 2039-2		
Hardness-Shore D	DIN 53505		90
Charpy impact strength at 23 °C	ISO 179	kJ/m ²	3.50
Friction coefficient	DIN 53375		0.35
III. Thermal Properties			
Heat deflection temperature-HDT/A	ISO 75-2	°C	65
Max. service temperature-Short term		°C	120
Max. service temperature-Long term		°C	100
Thermal conductivity at 23 °C	DIN 11359	W/(K*m)	0.3
Coefficient of linear thermal expansion	ISO 11359	10 ⁻⁴ *K ⁻¹	1.80
IV. Electrical Properties			
Dielectric constant at 1 MHz	IEC 60250	10 ⁶ Hz	3.55
Dielectric loss factor at 1 MHz	IEC 60250	10 ⁶ Hz	0.0034
Volume resistively	IEC 60093	Ohm(Ω)*cm	10 ¹⁴
Surface resisively	IEC 60093	Ohm(Ω)	10 ¹⁵
Dielectric strength	IEC 60243-1	kV/mm	22
V. Miscellaneous Data			
Flammability	UL 94	Class	V-0

NOTE: 1 g/cm³ = 1,000 kg/m³, 1 Mpa = 1 N/mm², 1kV/mm = 1 MV/m

The information mentioned the above are approximate figures based on our experience & knowledge.

They are as products and possible application.

will not provide any legally binding guarantee of certain properties, or any suitability.

