

Mechanical Properties

Specific gravit	ASTM D792	g/cm3	1.56
Tensile yield strength	ASTM D638	Mpa	100
Breaking elongation	ASTM D638	%	10
Bending strength	ASTM D790	Mpa	150
Flexural modulus	ASTM D790	Mpa	4500
Shore hardness	ASTM D2240	D	85
Impact strength	ASTM D256	J/M	100

Thermal Properties

Melting point	DSC	°C	190
Heat distortion temperature	ASTM D648	°C	140

Operating temperature	-	°C	120
Maximum operating temperature	-	°C	150
Thermal conductivity	DIN 52612-1	W/(K-M)	0.31
Coefficient of linear thermal	ASTM D696	10 ⁻⁵ -1/K	6

Electrical Properties

Dielectric strength	ASTM D150	KV-mm	22
Dielectric loss factor	ASTM D150	-	0.005
Volume resistivity	ASTM D257	Ω.cm	10 ¹⁴
Surface resistivity	ASTM D257	Ω	10 ¹⁶
Dielectric constant	ASTM D149	-	3.9

Chemical Properties

Water absorption	23°C 60%RH	%	0.35
Acid resistance	23°C 60%RH		+
Alkali resistance			+
Acid and alkali resistance			+
Resistance to sodium chlorate			0
Resistance to aromatic compounds			+
Resistance to ketone	23°C 60%RH		+
Resistance to hot water	23°C 60%RH		+

Others

Flammability	UL 94		HB
Viscosity		-	+

Non toxic	EEC 90/128 FDA	+
Coefficient of friction	DIN 53375	-
Anti-ultraviolet	-	0