

Mechanical Properties

Specific gravit	ASTM D792	g/cm3	0.93
Tensile yield strength	ASTM D638	Mpa	0.7±0.09
Breaking elongation	ASTM D638	%	50
Bending strength	ASTM D790	Mpa	680
Flexural modulus	ASTM D790	Mpa	20
Shore hardness	ASTM D2240	D	65
Impact strength	ASTM D256	J/M	200

Thermal Properties

Melting point	DSC	°C	130
Heat distortion temperature	ASTM D648	°C	50

Operating temperature	-	°C	80
Maximum operating temperature	-	°C	120
Thermal conductivity	DIN 52612-1	W/(K-M)	0.41
Coefficient of linear thermal	ASTM D696	10 ⁻⁵ -1/K	19

Electrical Properties

Dielectric strength	ASTM D150	kv-mm	45
Dielectric loss factor	ASTM D150	-	-
Volume resistivity	ASTM D257	Ω.cm	10 ¹²
Surface resistivity	ASTM D257	Ω	10 ¹²
Dielectric constant	ASTM D149	-	-

Chemical Properties

Water absorption	23°C 60%RH	%
Acid resistance	23°C 60%RH	+
Alkali resistance		+
Acid and alkali resistance		+
Resistance to sodium chlorate		+
Resistance to aromatic compounds		0
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	0
Coefficient of friction	DIN 53375	0.3
Anti-ultraviolet	-	