

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage (MD)	0.001	mm/mm	ASTM D 955
Mold Shrinkage (TD)	0.003	mm/mm	ASTM D 955
Density (73°F)	1300	kg/m ³	ASTM D 792
Water Absorption (24hr)	0.06	%	ASTM D 570
Mechanical properties			
ISO Data			
Tensile Strength	110	MPa	ISO 527-1/-2
Nominal strain at break	2	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	8	kJ/m ²	ISO 179/1eA
Flexural modulus (23°C)	6480	MPa	ISO 178
ASTM Data			
Tensile Strength	110	MPa	ASTM D 638
Elongation at Break	5	%	ASTM D 638
Flexural Modulus	6660	MPa	ASTM D 790
Flexural Strength	147	MPa	ASTM D 790
Izod Impact notched (1/8 in)	0.0982	kJ/m	ASTM D 256
Izod Impact notched (1/4 in)	0.0779	kJ/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load (1.80 MPa)	139	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	30	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-1	class	IEC 60695-11-10
Thickness tested	1.6	mm	IEC 60695-11-10
Burning behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	3.2	mm	IEC 60695-11-10
ASTM Data			
UL 94 Flame rating	V-1	-	UL 94
Thickness tested	1.6	mm	-
Coefficient of Thermal Expansion (MD)	30.1	E-6/K	ASTM D 696
DTUL @ 264 psi	140	°C	ASTM D 648
Electrical properties			
ISO Data			
Relative permittivity (100Hz)	3.4	-	IEC 60250
Relative permittivity (1MHz)	3.4	-	IEC 60250
Dissipation factor (100Hz)	50	E-4	IEC 60250
Dissipation factor (1MHz)	80	E-4	IEC 60250
Volume resistivity	>1E13	Ohm*m	IEC 60093
Surface resistivity	>1E15	Ohm	IEC 60093
Electric strength	39.4	kV/mm	IEC 60243-1
Comparative tracking index	125	-	IEC 60112
ASTM Data			
Dielectric Strength (Short Time)	39.4	kV/mm	ASTM D 149
Dissipation Factor (60 Hz)	0.005	-	ASTM D 150
Dissipation Factor (1 MHz)	0.008	-	ASTM D 150
Dielectric Constant (60 Hz)	3.4	-	ASTM D 150
Dielectric Constant (1 MHz)	3.4	-	ASTM D 150
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Arc Resistance	70	s	ASTM D 495
Other properties			
ISO Data			



Water absorption	0.06	%	Sim. to ISO 62
Density	1300	kg/m³	ISO 1183

Characteristics

Processing

Regional Availability

Injection Molding

North America, Europe, Asia Pacific

Delivery form

Applications

Pellets

Electrical and Electronical

Special Characteristics

Flame retardant

