

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	8500	MPa	ISO 527
Stress at break	105	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	7600	MPa	ISO 178
Flexural strength	155	MPa	ISO 178
Charpy impact strength, +23°C	30	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	9	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	148	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	151	°C	ISO 75-1/-2
Vicat softening temperature, B	153	°C	ISO 306
Coeff. of linear therm. expansion, parallel	20	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	60	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.4	mm	-
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.5	mm	-
Electrical properties			
ISO Data			
Relative permittivity, 100Hz	3.5	-	IEC 62631-2-1
Relative permittivity, 1MHz	3.5	-	IEC 62631-2-1
Dissipation factor, 100Hz	10	E-4	IEC 62631-2-1
Dissipation factor, 1MHz	90	E-4	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	35	kV/mm	IEC 60243-1
Comparative tracking index	175	-	IEC 60112
Other properties			
Density	1470	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	>5	h	-
Melt temperature	290 - 320	°C	-
Mold temperature	80 - 120	°C	-

Characteristics

Processing

Injection Molding

Features

Creep Resistance

Delivery form

Pellets

Applications

Electrical and Electronical

Special Characteristics

Flame retardant

Regional Availability

North America, Europe, Asia Pacific, South and Central America,
Near East/Africa