

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	5000	MPa	ISO 527
Nominal strain at break	1.6	%	ISO 527
Stress at break	41	MPa	ISO 527
Strain at break	1.4	%	ISO 527
Flexural modulus, 23°C	5500	MPa	ISO 178
Flexural strength	63	MPa	ISO 178
Charpy impact strength, +23°C	8	kJ/m ²	ISO 179/1eU
Puncture - maximum force, +23°C	390	N	ISO 6603-2
Puncture energy, +23°C	1.2	J	ISO 6603-2
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	128	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	135	°C	ISO 75-1/-2
Vicat softening temperature, B	136	°C	ISO 306
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Other properties			
Density	1300	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	110	°C	-
Pre-drying - Time	4	h	-
Melt temperature	300 - 310	°C	-
Mold temperature	90 - 110	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant, Heat stabilized or stable to heat, Thermally Conductive

Applications

Electrical and Electronical

Regional Availability

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