

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	5	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	6000	MPa	ISO 527
Yield stress	52	MPa	ISO 527
Yield strain	3	%	ISO 527
Nominal strain at break	4.3	%	ISO 527
Strain at break	52	%	ISO 527
Flexural modulus, 23°C	6000	MPa	ISO 178
Flexural strength	97	MPa	ISO 178
Charpy impact strength, +23°C	90	kJ/m ²	ISO 179/1eU
Puncture - maximum force, +23°C	3200	N	ISO 6603-2
Puncture energy, +23°C	10	J	ISO 6603-2
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	132	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	143	°C	ISO 75-1/-2
Vicat softening temperature, B	145	°C	ISO 306
Coeff. of linear therm. expansion, parallel	36	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	54	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Electrical properties			
ISO Data			
Volume resistivity	1E15	Ohm*m	IEC 62631-3-1
Surface resistivity	1E15	Ohm	IEC 62631-3-2
Electric strength	39	kV/mm	IEC 60243-1
Comparative tracking index	275	-	IEC 60112
Other properties			
Density	1450	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Melt temperature	280	°C	-
Mold temperature	90	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant, Thermally Conductive

Regional Availability

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