

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	4	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	3000	MPa	ISO 527
Stress at break	60	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Charpy impact strength, +23°C	15	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	1.6	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Glass transition temperature, 10°C/min	158	°C	ISO 11357-1/-2
Temp. of deflection under load, 0.45 MPa	150	°C	ISO 75-1/-2
Vicat softening temperature, B	156	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
Electrical properties			
ISO Data			
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1
Comparative tracking index	600	-	IEC 60112
Optical properties			
ISO Data			
Luminous transmittance	91	%	ISO 13468-1, -2
Other properties			
Water absorption	0.01	%	Sim. to ISO 62
Density	1020	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Melt temperature	260 - 310	°C	-
Mold temperature	110 - 145	°C	-
Feed temperature	<110	°C	-
Zone 1	240 - 270	°C	-
Zone 2	250 - 290	°C	-
Zone 3	260 - 310	°C	-
Zone 4	260 - 310	°C	-
Nozzle temperature	250 - 310	°C	-
Screw speed	50 - 200	rpm	-
Injection speed	50 - 150	mm/s	-
Injection pressure	50 - 110	MPa	-
Back pressure	15	MPa	-
Holding pressure	30 - 60	MPa	-
Maximum residence time	<15	min	-

Characteristics

Processing

Injection Molding

Regional Availability

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

Special Characteristics

Transparent