

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	2	g/10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-
Spec. heat capacity of melt	2090	J/(kg K)	-
ASTM Data			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Strength	70	MPa	ISO 527
Strain at break	5	%	ISO 527
Flexural modulus, 23°C	3450	MPa	ISO 178
Charpy impact strength, +23°C	11	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	2	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	1.8	kJ/m ²	ISO 180/1A
ASTM Data			
Rockwell Hardness	M 102	-	ASTM D 785
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	110	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	117	°C	ISO 75-1/-2
Vicat softening temperature, B	117	°C	ISO 306
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	65	E-6/K	ASTM D 696
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	19.7	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.04	-	ASTM D 150
Dielectric Constant, 60 Hz	3.7	-	ASTM D 150
Surface Resistivity	1E14	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Optical properties			
ASTM Data			
Haze	0.5	%	ASTM D 1003
Light Transmittance	92	%	ASTM D 1003
Other properties			
Humidity absorption	0.4	%	Sim. to ISO 62
Density	1190	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	240 - 250	°C	-
Mold temperature	80 - 90	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

Heat stabilized or stable to heat, Transparent

Regional Availability

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