

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	3	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	59	MPa	ISO 527
Strain at break	20	%	ISO 527
Flexural modulus, 23°C	2800	MPa	ISO 178
Charpy impact strength, +23°C	20	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	2.5	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	2.2	kJ/m ²	ISO 180/1A
ASTM Data			
Rockwell Hardness	M 82	-	ASTM D 785
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	98	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	102	°C	ISO 75-1/-2
Vicat softening temperature, B	106	°C	ISO 306
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	75	E-6/K	ASTM D 696
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	18.7	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.04	-	ASTM D 150
Dielectric Constant, 60 Hz	3.8	-	ASTM D 150
Surface Resistivity	1E14	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Optical properties			
ASTM Data			
Haze	1	%	ASTM D 1003
Light Transmittance	92	%	ASTM D 1003
Other properties			
Humidity absorption	0.32	%	Sim. to ISO 62
Density	1180	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	85	°C	-
Pre-drying - Time	4	h	-
Melt temperature	230 - 240	°C	-
Mold temperature	75 - 85	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat, Transparent

Regional Availability

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