

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	0.005	mm/mm	ASTM D 955
Mechanical properties			
Value	Unit	Test Standard	
ISO Data			
Tensile Strength	38	MPa	ISO 527
Strain at break	30	%	ISO 527
Flexural modulus, 23°C	1700	MPa	ISO 178
Charpy impact strength, +23°C	40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	5	kJ/m ²	ISO 180/1A
ASTM Data			
Rockwell Hardness	M 38	-	ASTM D 785
Thermal properties			
Value	Unit	Test Standard	
ISO Data			
Temp. of deflection under load, 1.80 MPa	81	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	85	°C	ISO 75-1/-2
Vicat softening temperature, B	90	°C	ISO 306
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	100	E-6/K	ASTM D 696
Electrical properties			
Value	Unit	Test Standard	
ASTM Data			
Dielectric Strength, Short Time	15	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.04	-	ASTM D 150
Dielectric Constant, 60 Hz	3.9	-	ASTM D 150
Surface Resistivity	1E14	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Optical properties			
Value	Unit	Test Standard	
ASTM Data			
Haze	2	%	ASTM D 1003
Light Transmittance	90	%	ASTM D 1003
Other properties			
Value	Unit	Test Standard	
Humidity absorption	0.36	%	Sim. to ISO 62
Density	1150	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Value	Unit	Test Standard	
Pre-drying - Temperature	80	°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, Transparent

Regional Availability

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