

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	6	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	2400	MPa	ISO 527
Yield stress	66	MPa	ISO 527
Yield strain	6	%	ISO 527
Nominal strain at break	>50	%	ISO 527
Stress at break	70	MPa	ISO 527
Strain at break	125	%	ISO 527
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA
Type of failure	C	-	-
Puncture - maximum force, +23°C	5000	N	ISO 6603-2
Puncture - maximum force, -30°C	6000	N	ISO 6603-2
Puncture energy, +23°C	50	J	ISO 6603-2
Puncture energy, -30°C	55	J	ISO 6603-2
Ball indentation hardness	115	MPa	ISO 2039-1
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	121	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	136	°C	ISO 75-1/-2
Vicat softening temperature, B	143	°C	ISO 306
Optical properties			
ISO Data			
Haze	100	-	ISO 14782
Luminous transmittance	73	%	ISO 13468-1, -2
Other properties			
Density	1200	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Melt temperature	300	°C	-
Mold temperature	80	°C	-
Injection speed	200	mm/s	-

Characteristics

Processing

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

Additives

Release agent

Features

Light Diffusing

Regional Availability

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

Special Characteristics

U.V. stabilized or stable to weather, Translucent