

**Product Texts**

High Surface Hardness (Clear), Pencil Hardness 3H

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	33	cm <sup>3</sup> /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Melt flow index, MFI	35	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2900	MPa	ISO 527
Yield stress	82	MPa	ISO 527
Yield strain	6	%	ISO 527
Strain at break	33	%	ISO 527
Flexural modulus, 23°C	2900	MPa	ISO 178
Flexural strength	113	MPa	ISO 178
Charpy impact strength, +23°C	37	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	2	kJ/m <sup>2</sup>	ISO 179/1eA

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	92	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	103	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	65	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	67	E-6/K	ISO 11359-1/-2

**Other properties**

	Value	Unit	Test Standard
Water absorption	0.19	%	Sim. to ISO 62
Density	1170	kg/m <sup>3</sup>	ISO 1183

**Processing Recommendation Injection Molding**

	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	5 - 8	h	-
Mold temperature	60 - 80	°C	-
Zone 1	240 - 280	°C	-
Zone 2	240 - 280	°C	-
Zone 3	240 - 280	°C	-
Nozzle temperature	240 - 280	°C	-

**Characteristics****Processing**

Injection Molding

**Applications**

General Purpose

**Regional Availability**

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