

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	3.5	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	3.5	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	2480	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Stress at break	72	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2410	MPa	ISO 178
Izod impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	88	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	2482	MPa	ASTM D 638
Tensile Strength at Yield	60	MPa	ASTM D 638
Tensile Strength at Break	72.4	MPa	ASTM D 638
Elongation at Break	150	%	ASTM D 638
Flexural Modulus	2413	MPa	ASTM D 790
Flexural Strength	96.5	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	907	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	132	°C	ISO 75-1/-2
Vicat softening temperature, B	151	°C	ISO 306
<b>ASTM Data</b>			
Coefficient of Thermal Expansion, MD	68.4	E-6/K	ASTM D 696
DTUL @ 264 psi	132	°C	ASTM D 648
Vicat Temperature	151	°C	ASTM D 1525
<b>Optical properties</b>			
<b>ASTM Data</b>			
Haze	1	%	ASTM D 1003
Light Transmittance	89	%	ASTM D 1003
Index of Refraction	1.59	-	ASTM D 542
<b>Other properties</b>			
Humidity absorption	0.32	%	Sim. to ISO 62
Density	1200	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.15	%	ASTM D 570
Water Absorption, Equilibrium	0.32	%	ASTM D 570
Density	1200	kg/m <sup>3</sup>	ASTM D 792

## Characteristics

**Processing**

Injection Molding, Other Extrusion

**Special Characteristics**

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

**Chemical Resistance**

Oxidation Resistance

**Certifications**

Food contact, Food approval FDA 21 CFR

**Applications**

Medical

**Regional Availability**

North America, Asia Pacific