

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	17	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Modulus	2340	MPa	ASTM D 638
Tensile Strength at Yield	69.6	MPa	ASTM D 638
Tensile Strength at Break	69.6	MPa	ASTM D 638
Elongation at Yield	7.2	%	ASTM D 638
Elongation at Break	60	%	ASTM D 638
Compressive Modulus	1730	MPa	ASTM D 695
Compressive Strength	98.9	MPa	ASTM D 695
Flexural Modulus	2410	MPa	ASTM D 790
Izod Impact notched, 1/8 in	690	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>			
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.75	mm	-
Coefficient of Thermal Expansion, MD	56	E-6/K	ASTM D 696
DTUL @ 66 psi	214	°C	ASTM D 648
DTUL @ 264 psi	207	°C	ASTM D 648
Glass Transition Temperature	220	°C	ASTM E 1356
Thermal Conductivity, solid state	0.0504	W/(m K)	ASTM C 177
Limiting Oxygen Index	38	%	ASTM D 2863
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Dielectric Strength, Step-by-Step	14	kV/mm	ASTM D 149
Dielectric Constant, 60 Hz	3.44	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
<b>Optical properties</b>			
<b>ASTM Data</b>			
Index of Refraction	1.67	-	ASTM D 542
<b>Other properties</b>			
Water Absorption, 24hr	0.37	%	ASTM D 570
Density	1300	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	2.5	h	-
Processing humidity	≤0.05	%	-
Melt temperature	343 - 388	°C	-
Mold temperature	138 - 163	°C	-
Zone 1	321	°C	-
Zone 2	349	°C	-
Zone 3	349	°C	-
Back pressure	0.345 - 0.689	MPa	-

**Characteristics****Processing**

Injection Molding, Film Extrusion, Profile Extrusion, Sheet Extrusion, Blow Molding, Thermoforming

**Delivery form**

Pellets

**Special Characteristics**

Flame retardant, Heat stabilized or stable to heat, Sterilizable, Ethylene Oxide (EtO) Sterilization, Steam sterilization, Gamma irradiation sterilization, Electron beam (e-beam) sterilization

**Features**

Thermal Stability

**Chemical Resistance**

Acid Resistance, Alkali Resistance, General Chemical Resistance, Environmental Stress Crack Resistance, Hydrolytically Stable, Radiation Resistance

**Certifications**

Drinking water contact, Drinking water contact NSF 61, Medical Grade, Biocompatibility ISO 10993

**Applications**

General Purpose, Medical

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America