

Product Texts

Color: Blue

Processing/Physical Characteristics

	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	17	g/10min	ASTM D 1238
Temperature	365	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955

Mechanical properties

	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2340	MPa	ASTM D 638
Tensile Strength	70	MPa	ASTM D 638
Elongation at Yield	7.2	%	ASTM D 638
Elongation at Break	90	%	ASTM D 638
Flexural Modulus	2410	MPa	ASTM D 790
Izod Impact notched, 1/8 in	690	J/m	ASTM D 256

Thermal properties

	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.76	mm	-
Coefficient of Thermal Expansion, MD	56	E-6/K	ASTM D 696
DTUL @ 264 psi	207	°C	ASTM D 648
Glass Transition Temperature	220	°C	ASTM E 1356

Electrical properties

	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	15	kV/mm	ASTM D 149
Dielectric Constant, 60 Hz	3.44	-	ASTM D 150
Volume Resistivity	9E15	Ohm*cm	ASTM D 257

Optical properties

	Value	Unit	Test Standard
ASTM Data			
Index of Refraction	1.67	-	ASTM D 542

Other properties

	Value	Unit	Test Standard
Water Absorption, 24hr	0.37	%	ASTM D 570
Water Absorption, Equilibrium	1.1	%	ASTM D 570
Density	1290	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	2.5	h	-
Melt temperature	360 - 391	°C	-
Mold temperature	138 - 163	°C	-

Processing Recommendation Extrusion

	Value	Unit	Test Standard
Pre-drying - Temperature	171	°C	-
Pre-drying - Time	4	h	-
Melt temperature	343 - 399	°C	-
Zone 1	338 - 388	°C	-
Zone 2	338 - 388	°C	-
Zone 3	338 - 388	°C	-
Zone 4	338 - 388	°C	-
Zone 5	338 - 388	°C	-

Nozzle temperature

327 - 371

°C

-

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, Transparent, 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

Food contact, Drinking water contact, Drinking water contact NSF 61, Medical Grade, Biocompatibility ISO 10993, RoHS compliant

Applications

Automotive, General Purpose, Medical

Regional Availability

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