

**Product Texts**

Color: Smoke

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ASTM Data</b>			
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
<b>ASTM Data</b>			
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
<b>ASTM Data</b>			
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
<b>ASTM Data</b>			
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
<b>ASTM Data</b>			
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 <sup>3</sup>	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