

Product Texts

12% Silica filled, standard flow Polyetherimide Copolymer (Tg 235C). ECO Conforming, UL94 VO Listing.

UL Yellow Card Link [E121562-221112](https://www.ulprospector.com/usa/Products/6202)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	14.7	g/10min	ASTM D 1238
Temperature	367	°C	-
Load	6.6	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	96	MPa	ASTM D 638
Tensile Strength at Break	92	MPa	ASTM D 638
Elongation at Break	10	%	ASTM D 638
Rockwell Hardness	M 110	-	ASTM D 785
Taber Abrasion Resistance	11	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	42	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	373	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
Vicat Temperature	237	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	20.8	kV/mm	ASTM D 149
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1420	kg/m³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	380 - 405	°C	-
Mold temperature	135 - 165	°C	-
Zone 1	360 - 380	°C	-
Zone 2	370 - 395	°C	-
Zone 3	380 - 405	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America