

Product Texts

30% Glass fiber filled, enhanced flow Polyetherimide copolymer (Tg 225C) with enhanced chemical resistance to strong acids, bases, aromatics, and ketones. ECO conforming, UL94 V0 and 5VA listing.

UL Yellow Card Link [E121562-221121](https://www.ulprospector.com/121121)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	7	cm ³ /10min	ISO 1133
Temperature	360	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	10000	MPa	ISO 527
Stress at break	160	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus	8200	MPa	ISO 178
Izod impact strength, +23°C, 4mm	35	kJ/m ²	ISO 180/1U
Izod impact strength, -30°C, 4mm	35	kJ/m ²	ISO 180/1U
Ball indentation hardness	165	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	228	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	220	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	1.5	mm	-
Thermal Conductivity	0.33	W/(m K)	DIN 52616
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (3)	3.2	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.1	-	IEC 62631-2-1
Dissipation factor, 1MHz	30	E-4	IEC 62631-2-1
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Comparative tracking index	150	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	0.9	%	Sim. to ISO 62
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1520	kg/m ³	ISO 1183

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	370 - 410	°C	-
Mold temperature	140 - 180	°C	-
Feed temperature	80 - 100	°C	-
Zone 1	350 - 390	°C	-
Zone 2	370 - 410	°C	-
Zone 3	380 - 420	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe

Chemical Resistance

General Chemical Resistance