

Product Texts

20% Glass fiber filled, standard flow Polyetherimide copolymer (Tg 225C) with internal mold release and enhanced chemical resistance to strong acids, bases, aromatics, and ketones. ECO Conforming.

UL Yellow Card Link [E121562-103873032](https://www.ulprospector.com/Europe/PEI-GF20)

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

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	7200	MPa	ISO 527
Stress at break	135	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus	5800	MPa	ISO 178
Izod impact strength, +23°C, 4mm	40	kJ/m ²	ISO 180/1U
Izod impact strength, -30°C, 4mm	40	kJ/m ²	ISO 180/1U
Ball indentation hardness	145	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	225	°C	ISO 306
Vicat softening temperature, B	220	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	222	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
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	-	IEC 62631-2-1
Dissipation factor, 1MHz	43	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	1	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1430	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

Applications

Automotive

Chemical Resistance

General Chemical Resistance

Regional Availability

Europe