

Product Texts

Transparent, Standard flow Polyetherimide copolymer (Tg 225C) with enhanced chemical resistance to strong acids, bases, aromatics, and ketones. ECO conforming, UL94 V0 listing.

UL Yellow Card Link [E121562-221114](#)

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	3200	MPa	ISO 527
Yield stress	100	MPa	ISO 527
Yield strain	8	%	ISO 527
Stress at break	95	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus	2500	MPa	ISO 178
Izod impact strength, +23°C, 4mm	N	kJ/m ²	ISO 180/1U
Izod impact strength, -30°C, 4mm	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	8	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	8	kJ/m ²	ISO 180/1A
Ball indentation hardness	135	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	-
Thermal Conductivity	0.29	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	-	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	175	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	1.2	%	Sim. to ISO 62
Humidity absorption	0.06	%	Sim. to ISO 62
Density	1280	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	360 - 410	°C	-
Mold temperature	120 - 170	°C	-
Feed temperature	80 - 120	°C	-
Zone 1	325 - 365	°C	-

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Zone 2	350 - 390	°C	-
Zone 3	370 - 410	°C	-

Characteristics**Processing**

Injection Molding

Applications

Automotive

Special Characteristics

Transparent

Regional Availability

Europe

Chemical Resistance

General Chemical Resistance