

Product Texts

High flow Polyetherimide blend. ECO Conforming, UL94 V0 Listing. US FDA Food Contact compliant.

UL Yellow Card Link [E45329-100397331](https://www.ulprospector.com/usa/Products/100397331)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	16	cm ³ /10min	ISO 1133
Temperature	340	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3000	MPa	ISO 527
Yield stress	95	MPa	ISO 527
Yield strain	6.5	%	ISO 527
Stress at break	75	MPa	ISO 527
Strain at break	20	%	ISO 527
Flexural modulus	3100	MPa	ISO 178
Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C, 4mm	5	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	5	kJ/m ²	ISO 180/1A
Ball indentation hardness	125	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	210	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	205	°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. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Thermal Conductivity	0.23	W/(m K)	DIN 52616

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	2.9	-	IEC 62631-2-1
Dissipation factor, 1MHz	50	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	0.5	%	Sim. to ISO 62
Density	1270	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	130 - 140	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	340 - 380	°C	-
Mold temperature	125 - 140	°C	-
Feed temperature	80 - 100	°C	-
Zone 1	320 - 340	°C	-
Zone 2	330 - 350	°C	-
Zone 3	340 - 360	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe

Certifications

Food contact, Food approval FDA 21 CFR