

Product Texts

30% Milled glass filled, enhanced flow Polyetherimide (Tg 217C). ECO Conforming, UL94 V0 and 5VA listing.

UL Yellow Card Link [E121562-221100](https://www.ulprospector.com/121562-221100)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	12	cm ³ /10min	ISO 1133
Temperature	360	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	6000	MPa	ISO 527
Stress at break	85	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus	6000	MPa	ISO 178
Charpy impact strength, +23°C	25	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	25	kJ/m ²	ISO 179/1eU
Izod impact strength, +23°C, 4mm	20	kJ/m ²	ISO 180/1U
Izod impact strength, -30°C, 4mm	20	kJ/m ²	ISO 180/1U
Ball indentation hardness	160	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	220	°C	ISO 306
Vicat softening temperature, B	211	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	213	°C	ISO 306
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Thermal Conductivity	0.3	W/(m K)	DIN 52616

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.4	-	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	1510	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 - 400	°C	-
Mold temperature	140 - 180	°C	-
Feed temperature	80 - 100	°C	-
Zone 1	340 - 380	°C	-
Zone 2	360 - 400	°C	-
Zone 3	370 - 410	°C	-

Characteristics

ULTEM™ Resin 2312 - Europe

PEI-GF30

Saudi Basic Industries Corporation (SABIC)

Processing

Injection Molding

Regional Availability

Europe

Applications

Automotive