

Product Texts

40% Glass fiber filled, standard flow Polyetherimide (Tg 217C). Resin is RoHS compliant. UL94 V0 listing. US FDA and European Food Contact approved. Effective June, 2007 this grade will no longer be supported with biocompatibility information and should not be used for medical applications which require biocompatibility. Alternative grade HU2400.

UL Yellow Card Link [E121562-221103](https://www.ulprospector.com/121562-221103)

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	11500	MPa	ISO 527
Stress at break	180	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus	10000	MPa	ISO 178
Charpy impact strength, +23°C	40	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	40	kJ/m ²	ISO 179/1eU
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	170	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	230	°C	ISO 306
Vicat softening temperature, B	217	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	225	°C	ISO 306
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.2	mm	-
Thermal Conductivity	0.33	W/(m K)	DIN 52616
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (GWIT)	850	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.1	-	IEC 62631-2-1
Dissipation factor, 1MHz	19	E-4	IEC 62631-2-1
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Electric strength	35	kV/mm	IEC 60243-1
Comparative tracking index	150	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	0.8	%	Sim. to ISO 62
Humidity absorption	0.4	%	Sim. to ISO 62
Density	1610	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	-

ULTEM™ Resin 2400F - Europe

PEI-GF40

Saudi Basic Industries Corporation (SABIC)

Zone 1	350 - 390	°C	-
Zone 2	370 - 410	°C	-
Zone 3	380 - 420	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Certifications

Food contact, Food approval FDA 21 CFR, RoHS compliant