ULTEM™ Resin SF2350 - Asia

PEI-GF — Saudi Basic Industries Corporation (SABIC)

Product Texts

High flow ULTEM blends for thin wall application

UL Yellow Card Link E207780-100116344

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**30**	cm³/10min	ISO 1133
Temperature	**345**	°C	-
Load	**10**	kg	-
ASTM Data			
Melt Flow Index, MFI	**14.7**	g/10min	ASTM D 1238
Temperature	**337**	°C	-
Load	**6.6**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	**171**	MPa	ISO 527
Strain at break	**2.5**	%	ISO 527
Flexural modulus	**9400**	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	**10**	kJ/m²	ISO 180/1A
ASTM Data			
Tensile Modulus	**11600**	MPa	ASTM D 638
Tensile Strength at Break	**172**	MPa	ASTM D 638
Elongation at Break	**2.6**	%	ASTM D 638
Flexural Modulus	**9320**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**95**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	**V-0**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
ASTM Data			
DTUL @ 264 psi	**204**	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	**1520**	kg/m³	ISO 1183
Density	**1520**	kg/m³	ASTM D 792

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	**350 - 400**	°C	-
Mold temperature	**135 - 165**	°C	-
Zone 1	**330 - 400**	°C	-
Zone 2	**340 - 400**	°C	-
Zone 3	**345 - 400**	°C	-
Screw speed	**40 - 70**	rpm	-
Back pressure	**0.3 - 0.7**	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

Asia Pacific

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