ULTEM™ Resin SF2250 - Americas

PEI-GF | Saudi Basic Industries Corporation (SABIC)

Product Texts

High flow ULTEM for thin wall application

UL Yellow Card Link E207780-100116343

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**40**	cm³/10min	ISO 1133
Temperature	**345**	°C	-
Load	**10**	kg	-
ASTM Data			
Melt Flow Index, MFI	**19.7**	g/10min	ASTM D 1238
Temperature	**337**	°C	-
Load	**6.6**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	**157**	MPa	ISO 527
Strain at break	**3**	%	ISO 527
Flexural modulus	**7150**	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	**9**	kJ/m²	ISO 180/1A
ASTM Data			
Tensile Modulus	**8900**	MPa	ASTM D 638
Tensile Strength at Break	**162**	MPa	ASTM D 638
Elongation at Break	**3**	%	ASTM D 638
Flexural Modulus	**7260**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**89**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	**203**	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	**1440**	kg/m³	ISO 1183
Density	**1440**	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

North America

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