

ULTEM™ Resin MD131A - Americas

PEI

Saudi Basic Industries Corporation (SABIC)

Product Texts

Transparent, enhanced flow Polyetherimide (Tg 217C). US FDA and EU Food Contact compliant.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	16	g/10min	ASTM D 1238
Temperature	337	°C	-
Load	6.6	kg	-

Mechanical properties

	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3720	MPa	ASTM D 638
Tensile Strength at Yield	110	MPa	ASTM D 638
Elongation at Break	70	%	ASTM D 638

Other properties

	Value	Unit	Test Standard
Density	1360	kg/m ³	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

Applications

Automotive

Special Characteristics

Transparent

Regional Availability

North America

Certifications

Food contact, Food approval FDA 21 CFR