

Product Texts

Enhanced low temperature impact, high flow Polyetherimide blend. ECO Conforming.

UL Yellow Card [E121562-647600](#)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Density of melt	1070	kg/m ³	-
Thermal conductivity of melt	0.23	W/(m K)	-
Spec. heat capacity of melt	1880	J/(kg K)	-
Ejection temperature	156	°C	-
ASTM Data			
Melt Flow Index, MFI	30	g/10min	ASTM D 1238
Temperature	337	°C	-
Load	6.6	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2580	MPa	ISO 527
ASTM Data			
Tensile Modulus	2580	MPa	ASTM D 638
Tensile Strength at Yield	74	MPa	ASTM D 638
Elongation at Break	67	%	ASTM D 638
Flexural Modulus	2510	MPa	ASTM D 790
Izod Impact notched, 1/8 in	181	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.0	mm	-
Yellow Card available	yes	-	-
ASTM Data			
DTUL @ 264 psi	160	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1220	kg/m ³	ISO 1183
Density	1240	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	135	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	330 - 355	°C	-
Mold temperature	95 - 135	°C	-
Zone 1	310 - 330	°C	-
Zone 2	320 - 345	°C	-
Zone 3	330 - 355	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics

ULTEM™ Resin DU242

PEI

Saudi Basic Industries Corporation (SABIC)

Processing

Injection Molding

Special Characteristics

Flame retardant, Platable, High impact or impact modified, Heat stabilized or stable to heat

Features

Amorphous, Creep Resistance, Low Smoke

Chemical Resistance

General Chemical Resistance, Hydrolytically Stable

Applications

Automotive, Building Construction, Electrical and Electronical, Packaging

Regional Availability

North America, Europe, Asia Pacific, South and Central America