

Ultrason® E 2010 MR GR 30359

Polyether Sulfone

BASF Corporation

General				
Material Status	• Commercial: Active			
Availability	• Europe			
Processing Method	• Injection Molding			
Physical		Nominal Value	Unit	Test Method
Density		1370	kg/m ³	ISO 1183 ²
Melt volume-flow rate (360°C/10.0 kg)		70.0	cm ³ /10min	ISO 1133 ²
Molding Shrinkage				ISO 2577 ²
Flow		0.82	%	
Across Flow		0.86	%	
Water Absorption				ISO 62 ²
Saturation		2.2	%	
Equilibrium		0.80	%	
Viscosity number		56.0	cm ³ /g	ISO 307, 1157, 1628 ²
Mechanical		Nominal Value	Unit	Test Method
Tensile modulus		2700	MPa	ISO 527-2 ²
Tensile Stress (Yield)		90.0	MPa	ISO 527-2 ²
Tensile Strain (Yield)		6.7	%	ISO 527-2 ²
Impact		Nominal Value	Unit	Test Method
Charpy notched impact strength (23°C)		6.50	kJ/m ²	ISO 179/1eA ²
Charpy impact strength (23°C)		No Break		ISO 179/1eU ²
Notched Izod Impact Strength (23°C)		6.50	kJ/m ²	ISO 180/A
Hardness		Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)		154	MPa	ISO 2039-1
Thermal		Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa)		205	°C	ISO 75-2 ²
Glass Transition Temperature ³		230	°C	ISO 11357-2 ²
CLTE - Flow				
23 to 80°C		0.000052	cm/cm/°C	ISO 11359-2
180°C		0.000059	cm/cm/°C	DIN 53752
Flammability		Nominal Value	Unit	Test Method
Flame Rating - UL (1.60 mm)		V-0		UL 94
Additional Information		Nominal Value	Unit	
Polymer Abbreviation		PESU		
Injection		Nominal Value	Unit	
Processing (Melt) Temp		340 to 390	°C	
Mold Temperature		140 to 180	°C	

Notes

¹ Typical properties: these are not to be construed as specifications.

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

³ 10 °C/min

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

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