

Ultrason® E 2010 G6 SW 15038

Polyether Sulfone

BASF Corporation

Product Description
Medium viscosity injection moulding grade with high rigidity and strength, 30 % glass fiber reinforced.

General	
Material Status	• Commercial: Active
Availability	• Europe
Filler / Reinforcement	• Glass Fiber Reinforcement, 30% Filler by Weight
Features	• High Rigidity • High Strength
Forms	• Pellets
Processing Method	• Extrusion • Injection Molding
Resin ID (ISO 1043)	• PESU-GF30

Physical	Nominal Value	Unit	Test Method
Density	1.60	g/cm ³	ISO 1183
Apparent Density	0.70 to 0.80	g/cm ³	ISO 60
Melt Volume-Flow Rate (MVR) (360°C/10.0 kg)	25.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.58	%	
Flow	0.28	%	
Water Absorption			ISO 62
Saturation, 23°C	1.6	%	
Equilibrium, 23°C, 50% RH	0.60	%	
Viscosity Number	56.0	cm ³ /g	ISO 307

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ISO 527-2
Tensile Stress (Break)	140	MPa	ISO 527-2
Tensile Strain (Break)	1.9	%	ISO 527-2

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	42	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	8.00	kJ/m ²	ISO 180/1A

Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 961/30)	224	MPa	ISO 2039-1

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature 1.8 MPa, Unannealed	220	°C	ISO 75-2/A
Glass Transition Temperature	225	°C	ISO 11357-2
CLTE - Flow 23 to 80°C	0.000015	cm/cm/°C	ISO 11359-2
180°C	0.000017	cm/cm/°C	DIN 53752

Flammability	Nominal Value	Unit	Test Method
Flame Rating - UL (1.60 mm)	V-0		UL 94

Injection	Nominal Value	Unit
Drying Temperature	130 to 150	°C
Drying Time	4.0	hr
Processing (Melt) Temp	350 to 390	°C
Mold Temperature	150 to 190	°C

Notes

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

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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