

Ultrason® E 2010 SW Q31 10088

Polyether Sulfone
BASF Corporation

General	
Material Status	• Commercial: Active
Availability	• Europe
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Apparent Density	0.70 to 0.80	g/cm ³	Internal Method
Melt Volume-Flow Rate (MVR) (360°C/10.0 kg)	70.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.86	%	
Flow	0.82	%	
Water Absorption			ISO 62
24 hr, 23°C	2.2	%	
Equilibrium, 23°C, 50% RH	0.80	%	
Viscosity Number ²	56.0	cm ³ /g	ISO 307

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress (Yield)	90.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	6.7	%	ISO 527-2/50

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/eU
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
Heat Deflection Temperature			ISO 75-2/A
1.8 MPa, Unannealed	205	°C	
Glass Transition Temperature	225	°C	ISO 11357-2
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
Drying Temperature	130 to 150	°C
Drying Time	> 4.0	hr
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 in 0.1 g/ml Phenol/ortho-dichlorobenzene 1:1

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

备注：以上原料物性数据由厂家发布,我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！