

ECOTRAN® E 5060G NC AS

Polyphenylene Sulfide

A. Schulman Europe

Message:

PPS 40% glass fibre reinforced + 25% mineral

General Information			
Filler / Reinforcement	Glass \mineral, 65% filler by weight		
Features	Good dimensional stability		
	Impact modification		
	Low warpage		
	Low smoke		
	Laser marking		
	Laser welding		
	High liquidity		
	Hydrolysis resistance		
	Thermal Stability		
	Fill		
	Halogen-free		
	No antimony		
	Flame retardancy		
Processing Method	Gas-Assisted Injection Molding		
	Water-Assisted Injection Molding		
	Blow molding		
	Extrusion		
	Injection molding		
Resin ID (ISO 1043)	PPS (GF+MD)65		
Physical	Nominal Value	Unit	Test Method
Density	1.96	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (300°C/5.0 kg)	12.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	20000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	135	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.0	%	ISO 527-2/1A/5
Flexural Modulus ¹	20000	MPa	ISO 178
Flexural Stress (1.3% strain)	220	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179/1eA
-30°C	8.0	kJ/m ²	ISO 179/1eA
23°C	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	20	kJ/m ²	ISO 179/1eU
23°C	20	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	270	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	175	V	IEC 60112
Additional Information			
1.) Not for use in food contact applications2.) Not for use in medical or pharmaceutical applications			
NOTE			
1.	2.0 mm/min		

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