

Edgetek™ SF-40GF/000 RS BK001 (ISO)

Polyphenylene Sulfide

PolyOne Corporation

Message:

40% Glass Fiber Reinforced PPS Compound

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.66	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.25 - 0.55	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	190	MPa	ISO 527
Tensile Elongation ² (Break)	3.0	%	ISO 527
Flexural Modulus ³	15000	MPa	ISO 178
Flexural Strength ⁴	275	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	60	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	274	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.750 mm)	V-0		Internal method
Injection	Nominal Value	Unit	
Drying Temperature	140 - 150	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	300 - 320	°C	
Middle Temperature	300 - 320	°C	
Front Temperature	300 - 320	°C	
Mold Temperature	140 - 160	°C	
Injection instructions			
Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW			
NOTE			
1.	5.0 mm/min		

2.	5.0 mm/min
3.	1.3 mm/min
4.	1.3 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

