

Edgetek™ ES-30GF/000 Black

Polyethersulfone

PolyOne Corporation

Message:

Edgetek™ ES-30GF/000 Black
XP120031

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	General Purpose		
	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Strength		
Uses	Automotive Applications		
	Consumer Applications		
	General Purpose		
	Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.59	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.25	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	7580	MPa	ASTM D638
Tensile Strength ² (Ultimate)	131	MPa	ASTM D638
Tensile Elongation ³ (Break)	4.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	197	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	96	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	215	°C	
1.8 MPa, Unannealed, 3.18 mm	205	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	150 to 160	°C	

Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	340 to 380	°C
Mold Temperature	140 to 160	°C

NOTE		
1.	Type I, 5.1 mm/min	
2.	5.1 mm/min	
3.	Type I, 5.1 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



WECHAT