

Edgetek™ AS-10GF/000 BLACK

Acrylonitrile Butadiene Styrene

PolyOne Corporation

Message:

The Edgetek® Engineering Thermoplastic Compounds portfolio covers a broad range of standard and custom-formulated high performance materials. This portfolio includes high-temperature materials for elevated service temperature environments, high-modulus / structural materials for load-bearing and high-strength applications and flame-retardant products. These compounds are based on select engineering thermoplastic resins that are compounded with reinforcing additives such as carbon fiber, glass fiber and glass beads.

General Information			
UL YellowCard	E76261-101413497		
Filler / Reinforcement	Glass Fiber, 10% Filler by Weight		
Features	Amorphous		
	Good Moldability		
	Good Toughness		
Uses	Appliances		
	Automotive Applications		
	Consumer Applications		
	General Purpose		
	Industrial Applications		
	Structural Parts		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 3.18 mm	0.20 to 0.40	%	
Across Flow	0.75 to 1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	4070	MPa	ASTM D638
Tensile Strength ² (Break)	58.6	MPa	ASTM D638
Tensile Elongation ³ (Break)	2.0 to 3.0	%	ASTM D638
Flexural Modulus ⁴	3930	MPa	ASTM D790
Flexural Strength ⁵	95.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	100	°C	

1.8 MPa, Unannealed	99.0	°C
NOTE		
1.	5.1 mm/min	
2.	5.1 mm/min	
3.	Type I	
4.	1.3 mm/min	
5.	1.3 mm/min	

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