

Edgetek™ ET9200-5006 FD NATURAL

Polyphenylene Sulfide

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			
Features	General Purpose		
	Good Chemical Resistance		
	Good Thermal Stability		
Uses	Consumer Applications		
	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.35	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Flow	1.5 to 1.8	%	
Across Flow : 23°C, 2.00 mm ¹	1.2 to 1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	4000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C, Injection Molded)	66.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C, Injection Molded)	> 2.0	%	ISO 527-2/5
Flexural Modulus (23°C, Injection Molded)	3900	MPa	ISO 178
Flexural Stress (23°C, Injection Molded)	130	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	2.0	kJ/m ²	ISO 180
Unnotched Izod Impact Strength (23°C)	30	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
1.8 MPa, Unannealed	115	°C	ISO 75-2/A
8.0 MPa, Unannealed	95.0	°C	ISO 75-2/C
Glass Transition Temperature	90.0	°C	ISO 11357-2
Melting Temperature	280	°C	ISO 11357-3
Injection	Nominal Value	Unit	

Processing (Melt) Temp	304 to 332	°C
NOTE		
1.	Bergmann method	

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

