Edgetek™ AS/018 White

Acrylonitrile Butadiene Styrene

Key Characteristics

Product Description			
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			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Amorphous	• Good Moldability	• Good Toughness
Uses	• Appliances • Automotive Applications	• Consumer Applications • General Purpose	• Industrial Applications • Structural Parts
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.21	1.21	ASTM D792
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [2] (Yield)	5800 psi	40.0 MPa	ASTM D638
Tensile Elongation [3] (Break)	2.0 to 3.0 %	2.0 to 3.0 %	ASTM D638
Flexural Modulus [4]	390000 psi	2690 MPa	ASTM D790
Flexural Strength [4]	10000 psi	68.9 MPa	ASTM D790
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Notched Izod Impact	3.0 ft·lb/in	160 J/m	ASTM D256

Notes

[1] Typical values are not to be construed as specifications.

[2] 2.0 in/min (51 mm/min)

[3] Type I

[4] 0.50 in/min (13 mm/min)