



Edgetek™ ET7400-0001 Natural

General Purpose Polystyrene

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
Filler / Reinforcement	• Mineral		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.26	1.26	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	63 g/10 min	63 g/10 min	ASTM D1238
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	2100 psi	14.5 MPa	ASTM D638
Flexural Modulus ³	215000 psi	1480 MPa	ASTM D790
Flexural Strength ³	4000 psi	27.6 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact	0.50 ft-lb/in	27 J/m	ASTM D256

Notes

¹ Typical values are not to be construed as specifications.

² 0.20 in/min (5.1 mm/min)

³ 0.050 in/min (1.3 mm/min)

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