



Edgetek™ NJ-30GF/000 Natural Polyamide 12

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 selected 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	• Europe
	• Asia Pacific	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight	
Forms	• Pellets	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.23	1.23	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress (Break)	15400 psi	106 MPa	ASTM D638
Tensile Strain (Break)	4.0 %	4.0 %	ASTM D638
Flexural Modulus	750000 psi	5170 MPa	ASTM D790
Flexural Strength (Yield)	24000 psi	165 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
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	325 °F	163 °C	ASTM D648

Notes

¹ Typical values are not to be construed as specifications.

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