



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	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• General Purpose
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Molding Shrinkage	0.23 %	0.23 %	ISO 294-4
Ash Content	30 %	30 %	
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	968000 psi	6680 MPa	ISO 527-2
Tensile Stress (Yield)	15400 psi	106 MPa	ISO 527-2
Tensile Strain (Break)	2.5 %	2.5 %	ISO 527-2
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	4.0 ft·lb/in ²	8.4 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	24 ft·lb/in ²	50 kJ/m ²	ISO 179

Notes

¹ Typical values are not to be construed as specifications.

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