

Description

PA13002NP is a 30% Glass fiber reinforced, prime, polyamide 6 for injection molding, specifically designed to meet the demands of applications with high mechanical requirements. It offers superior mechanical properties coupled with excellent processability

General

Material Status: Commercially Active

Filler Type: Glass Fiber 30 % by weight

Form: Pellets

Color: Natural

Properties

PROPERTIES	METHOD	UNIT	VALUE*
PHYSICAL PROPERTIES			
ASH CONTENT	ISO 3451	%	30
RELATIVE DENSITY	ISO 1183	g/cm ³	1.35
VISCOSITY NUMBER	ISO 307	cm ³ /g	---
MOISTURE CONTENT	ISO 62	%	0.23
MECHANICAL PROPERTIES			
TENSILE STRENGTH AT BREAK (23 °C)	ASTM D638	Mpa	157
ELONGATION AT BREAK	ASTM D638	%	8.1
TENSILE MODULUS	ASTM D638	Mpa	10530
NOTCHED IZOD IMPACT (23 °C)	ISO 180	Kj/m ²	11.5
UN-NOTCHED IZOD IMPACT	ISO 180	Kj/m ²	62
THERMAL PROPERTIES			
HARDNESS	ISO 868	shore D	77
MFI @ 230 °C / 2.16 kg	ASTM D1238	g/10min	---

*Typical properties, these are not to be construed as a specification.

Finexpolymer manufactures several products with various terminologies and physical properties. The data above represents a basic High Melt Flow, Prim General Purpose Homopolymer Polypropylene.

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