

Description

PA23002NP is a 30% Glass fiber reinforced, prime, polyamide 6.6 for injection molding Designed to meet the needs of applications with high mechanical requirements. It exhibits high tensile strength, stiffness, HDT, and moderate impact strength.

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	%	0.22
MECHANICAL PROPERTIES			
TENSILE STRENGTH AT BREAK (23 °C)	ASTM D638	Mpa	177-182
ELONGATION AT BREAK	ASTM D638	%	10
TENSILE MODULUS	ASTM D638	Mpa	11500
NOTCHED IZOD IMPACT (23 °C)	ISO 180	Kj/m ²	11
UN-NOTCHED IZOD IMPACT	ISO 180	Kj/m ²	57
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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