

LNPTM VERTONTM COMPOUND PX06419

PDX-P-00783 HS

DESCRIPTION

LNP VERTON PX06419 is a compound based on Polyamide 6 (Nylon 6) resin containing 50% long glass fiber and proprietary fillers. Added features include Heat Stabilized and Structural.

GENERAL INFORMATION

Features	Heat Stabilized, High stiffness/Strength, No PFAS intentionally added
Fillers	Glass Fiber, Proprietary Filler
Polymer Types	Polyamide 6 (Nylon 6)
Processing Techniques	Injection Molding

INDUSTRY

SUB INDUSTRY

Automotive	Automotive Exteriors
Building and Construction	Building Component
Consumer	Sport/Leisure, Home Appliances, Commercial Appliance
Industrial	Industrial General

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL⁽¹⁾			
Tensile Stress, break	228	MPa	ASTM D638
Tensile Strain, break	2.2	%	ASTM D638
Tensile Modulus, 50 mm/min	17440	MPa	ASTM D638
Flexural Stress	296	MPa	ASTM D790
Flexural Modulus	15230	MPa	ASTM D790
IMPACT⁽¹⁾			
Izod Impact, unnotched, 23°C	1602	J/m	ASTM D4812
Izod Impact, notched, 23°C	357	J/m	ASTM D256
THERMAL⁽¹⁾			
HDT, 1.82 MPa, 3.2mm, unannealed	205	°C	ASTM D648
PHYSICAL⁽¹⁾			
Density	1.61	g/cm ³	ASTM D792
Mold Shrinkage, flow, 24 hrs ⁽²⁾	0.2	%	ASTM D955
INJECTION MOLDING⁽³⁾			
Drying Temperature	80	°C	
Drying Time	4	Hrs	
Maximum Moisture Content	0.15 – 0.25	%	
Melt Temperature	265 – 275	°C	
Front - Zone 3 Temperature	275 – 290	°C	
Middle - Zone 2 Temperature	265 – 275	°C	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Rear - Zone 1 Temperature	250 – 260	°C	
Mold Temperature	80 – 95	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	30 – 60	rpm	