

LNP™ VERTON™ PX91200 compound

Polyamide 6

SABIC Innovative Plastics

Message:

LNP VERTON* PX91200 is a compound based on Nylon 6 resin containing Proprietary Fillers. Added features of this material include: High Impact, Structural

Also known as: LNP* VERTON* Compound PDX-P-91200

Product reorder name: PX91200

General Information			
Filler / Reinforcement	Proprietary		
Features	High Impact Resistance		
Uses	Structural Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12100	MPa	ISO 527-2/1
Tensile Stress (Break)	182	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	10300	MPa	ISO 178
Flexural Stress	250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	25	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	69	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³			
0.45 MPa, Unannealed, 64.0 mm Span	225	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	222	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	
Rear Temperature	249 to 260	°C	
Middle Temperature	266 to 277	°C	
Front Temperature	277 to 288	°C	
Processing (Melt) Temp	266 to 277	°C	
Mold Temperature	82.2 to 93.3	°C	
Back Pressure	0.344 to 0.689	MPa	
Screw Speed	30 to 60	rpm	
NOTE			

1.	80*10*4
2.	80*10*4
3.	80*10*4 mm

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Recommended distributors for this material

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