LNP™ VERTON™ COMPOUND PX91200

PDX-P-91200

DESCRIPTION

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

TYPICAL PROPERTY VALUES

Revision 20190308

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	181	MPa	ISO 527
Tensile Strain, break	2	%	ISO 527
Tensile Modulus, 1 mm/min	12100	MPa	ISO 527
Flexural Stress	250	MPa	ISO 178
Flexural Modulus	10290	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	68	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	25	kJ/m²	ISO 180/1A
THERMAL			
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	225	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	222	°C	ISO 75/Af
PHYSICAL			
Density	1.49	g/cm³	ISO 1183
INJECTION MOLDING			
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	
Rear - Zone 1 Temperature	250 – 260	°C	
Mold Temperature	80 – 95	°C	
Back Pressure	0.3 – 0.7	MPa	
Screw Speed	30 – 60	rpm	

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