

LNP™ THERMOCOMP™ PX87791 compound

Polyamide 6
SABIC Innovative Plastics

Message:

LNP THERMOCOMP PX87791 is a compound based on Nylon 6 resin containing Proprietary Filler(s).
Also known as: LNP* THERMOCOMP* Compound PDX-P-87791
Product reorder name: PX87791

General Information			
Filler / Reinforcement	Proprietary		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.20 to 0.40	%	
Across Flow : 24 hr	0.60 to 0.80	%	
Water Absorption (24 hr, 50% RH)	0.90	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	163	MPa	ASTM D638
Tensile Elongation ² (Break)	2.5	%	ASTM D638
Flexural Strength ³ (Break, 50.0 mm Span)	240	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Unnotched Izod Impact (23°C)	770	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	213	°C	ASTM D648
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.	Type I, 5.0 mm/min		
2.	Type I, 5.0 mm/min		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

