

LNP™ THERMOCOMP™ PX12419 compound

Polyamide 6
SABIC Innovative Plastics

Message:

LNP THERMOCOMP PX12419 is a compound based on Nylon 6 containing Carbon Fiber. Added features of this grade include: Electrically Conductive.
Also known as: LNP* THERMOCOMP* Compound PX12419
Product reorder name: PX12419

General Information			
Filler / Reinforcement	Carbon Fiber		
Features	Electrically Conductive		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	24900	MPa	ASTM D638
Tensile Strength ² (Break)	233	MPa	ASTM D638
Tensile Elongation ³ (Break)	2.0	%	ASTM D638
Flexural Modulus ⁴ (50.0 mm Span)	19000	MPa	ASTM D790
Flexural Strength ⁵ (Break, 50.0 mm Span)	345	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	99	J/m	ASTM D256
Unnotched Izod Impact (23°C)	820	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+3	ohms	ASTM D257
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.	5.0 mm/min		
2.	Type I, 5.0 mm/min		
3.	Type I, 5.0 mm/min		
4.	1.3 mm/min		

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Recommended distributors for this material

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