

LNP™ THERMOCOMP™ RX04515H compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP THERMOCOMP RX04515H is a compound based on Nylon 66 resin containing Proprietary Filler(s). Added features of this material include: Electrically Conductive, Healthcare.

Also known as: LNP* THERMOCOMP* Compound PDX-R-04515 EES HC

Product reorder name: RX04515H

General Information			
Filler / Reinforcement	Proprietary		
Features	Electrically Conductive		
Uses	Medical/Healthcare Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.20 to 0.40	%	
Across Flow : 24 hr	0.40 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	30800	MPa	ASTM D638
Tensile Strength ² (Break)	278	MPa	ASTM D638
Tensile Elongation ³ (Break)	1.6	%	ASTM D638
Flexural Modulus ⁴ (100 mm Span)	23700	MPa	ASTM D790
Flexural Strength ⁵ (Break, 100 mm Span)	413	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	100	J/m	ASTM D256
Unnotched Izod Impact (23°C)	970	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	255	°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	266 to 277	°C	
Middle Temperature	282 to 293	°C	
Front Temperature	293 to 304	°C	
Processing (Melt) Temp	282 to 304	°C	
Mold Temperature	93.3 to 110	°C	
Back Pressure	0.172 to 0.344	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.	2.6 mm/min	
5.	2.6 mm/min	

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Recommended distributors for this material

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