

LNP™ THERMOCOMP™ LX09404 compound

Polyetheretherketone
SABIC Innovative Plastics

Message:

LNP THERMOCOMP LX09404 is a compound based on Polyetheretherketone resin containing Carbon Fiber.
Also known as: LNP* THERMOCOMP* Compound LX09404
Product reorder name: LX09404

General Information			
Filler / Reinforcement	Carbon Fiber		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm ³	ASTM D792
Water Absorption (24 hr, 50% RH)	0.41	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	41500	MPa	ASTM D638
Tensile Strength ² (Break)	280	MPa	ASTM D638
Tensile Elongation ³ (Break)	1.3	%	ASTM D638
Flexural Modulus ⁴ (50.0 mm Span)	29700	MPa	ASTM D790
Flexural Strength ⁵ (Break, 50.0 mm Span)	424	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	93	J/m	ASTM D256
Unnotched Izod Impact (23°C)	830	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	332	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	150	°C	
Drying Time	4.0 to 6.0	hr	
Rear Temperature	370 to 380	°C	
Middle Temperature	380 to 400	°C	
Front Temperature	380 to 400	°C	
Mold Temperature	175 to 190	°C	
Back Pressure	0.300 to 0.700	MPa	
Screw Speed	60 to 100	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		
5.	1.3 mm/min		

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Recommended distributors for this material

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