

LNP™ LUBRICOMP™ OX90351 compound

Polyphenylene Sulfide

SABIC Innovative Plastics

Message:

LNP LUBRICOMP* OX90351 is a compound based on Polyphenylene Sulfide resin containing Proprietary Filler(s). Added feature of this material is: Wear Resistant.

Also known as: LNP* LUBRICOMP* Compound PDX-O-90351

Product reorder name: OX90351

General Information			
Filler / Reinforcement	Proprietary		
Features	Good Wear Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.67	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow : 24 hr	0.20	%	ASTM D955
Across Flow : 24 hr	0.60	%	ASTM D955, ISO 294-4
Flow : 24 hr	0.22	%	ISO 294-4
Water Absorption			
24 hr, 50% RH	0.010	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.53	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	10300	MPa	ASTM D638
--	9720	MPa	ISO 527-2/1
Tensile Strength			
Break	100	MPa	ASTM D638
Break	96.0	MPa	ISO 527-2
Tensile Elongation (Break)	1.5	%	ASTM D638, ISO 527-2
Flexural Modulus			
--	9170	MPa	ASTM D790
--	9380	MPa	ISO 178
Flexural Strength			
--	153	MPa	ASTM D790
--	154	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	53	J/m	ASTM D256
23°C ²	6.4	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			

23°C	380	J/m	ASTM D4812
23°C ³	20	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	2.60	J	ASTM D3763
--	2.45	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 3.20 mm	261	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ⁴	260	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Rear Temperature	304 to 316	°C	
Middle Temperature	321 to 332	°C	
Front Temperature	332 to 343	°C	
Processing (Melt) Temp	316 to 321	°C	
Mold Temperature	138 to 166	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		

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Recommended distributors for this material

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