

LNP™ LUBRICOMP™ BX03658N compound

Styrene Acrylonitrile

SABIC Innovative Plastics

Message:

LNP LUBRICOMP BX03658N is a compound based on SAN resin containing proprietary fillers. Added features of this grade include: Wear Resistant, Tight Dimensional Tolerances, good for Water Meter Applications.

Also known as: LNP* LUBRICOMP* Compound BX03658N

Product reorder name: BX03658N

General Information			
Filler / Reinforcement	Proprietary		
Features	Good Wear Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.30 to 0.50	%	
Across Flow : 24 hr	0.40 to 0.60	%	
Water Absorption			
24 hr, 50% RH	0.11	%	ASTM D570
Equilibrium, 23°C, 50% RH	0.16	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	6520	MPa	ASTM D638
--	6140	MPa	ISO 527-2/1
Tensile Strength			
Break ²	52.0	MPa	ASTM D638
Break	50.0	MPa	ISO 527-2/5
Tensile Elongation			
Break ³	1.5	%	ASTM D638
Break	1.5	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span ⁴	6320	MPa	ASTM D790
-- ⁵	6070	MPa	ISO 178
Flexural Stress			
--	80.1	MPa	ISO 178
Break, 50.0 mm Span ⁶	84.0	MPa	ASTM D790
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.36		
vs. Itself - Static	0.44		
Wear Factor			ASTM D3702 Modified

Ring	11.0	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	
Washer	163	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	17	J/m	ASTM D256
23°C ⁷	2.3	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	120	J/m	ASTM D4812
23°C ⁸	8.4	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Total Energy	2.70	J	ASTM D3763
--	0.840	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	101	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ⁹	101	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	95.0	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ¹⁰	96.0	°C	ISO 75-2/Af
CLTE			ASTM D696
Flow : -30 to 30°C	4.6E-5	cm/cm/°C	
Transverse : -30 to 30°C	5.3E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	204 to 216	°C	
Middle Temperature	243 to 254	°C	
Front Temperature	277 to 288	°C	
Processing (Melt) Temp	260	°C	
Mold Temperature	82.2 to 93.3	°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.	1.3 mm/min		
5.	2.0 mm/min		
6.	1.3 mm/min		
7.	80*10*4		
8.	80*10*4		
9.	80*10*4 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

