LNP™ LUBRICOMP™ RFL34 compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP LUBRICOMP RFL34 is a compound based on Nylon 66 resin containing 20% Glass Fiber, 15% PTFE. Added feature of this material is: Wear Resistant.
Also known as: LNP* LUBRICOMP* Compound RFL-4034
Product reorder name: RFL34

General Information			
UL YellowCard	E121562-101344610		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	PTFE Lubricant (15%)		
Features	Good Wear Resistance Lubricated		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.42	g/cm³	ASTM D792, ISO 1183
Molding Shrinkage			ASTM D955, ISO 294-4
Flow : 24 hr	1.3	%	
Across Flow : 24 hr	1.9	%	
Water Absorption (24 hr, 50% RH)	0.50	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			
-- [1]	8270	MPa	ASTM D638
--	8060	MPa	ISO 527-2/1
Tensile Strength			
Yield	158	MPa	ASTM D638
Yield	155	MPa	ISO 527-2
Break	158	MPa	ASTM D638
Break	155	MPa	ISO 527-2
Tensile Elongation			ASTM D638, ISO 527-2
Yield	3.3	%	
Break	3.3	%	
Flexural Modulus			
--	6890	MPa	ASTM D790
--	7000	MPa	ISO 178
Flexural Strength			
--	221	MPa	ASTM D790
--	223	MPa	ISO 178
Coefficient of Friction			ASTM D3702 Modified

vs. Itself - Dynamic	0.60		
vs. Itself - Static	0.60		
Wear Factor - Washer	10.0	10^-10 in^5-min/ft-lb-hr	ASTM D3702 Modified
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			
23°C	110	J/m	ASTM D256
23°C [2]	11	kJ/m²	ISO 180/1A
Unnotched Izod Impact			
23°C	1200	J/m	ASTM D4812
23°C [3]	68	kJ/m²	ISO 180/1U
Instrumented Dart Impact			
23°C, Energy at Peak Load	10.2	J	ASTM D3763
--	4.00	J	ISO 6603-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	262	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span [4]	262	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	253	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span [5]	250	°C	ISO 75-2/Af
CLTE			
Flow : -40 to 40°C	7.2E-5	cm/cm/°C	ASTM E831
Flow : -40 to 40°C	7.1E-5	cm/cm/°C	ISO 11359-2
Transverse : -40 to 40°C	3.6E-5	cm/cm/°C	ASTM E831, ISO 11359-2
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.	50 mm/min		
2.	80*10*4		
3.	80*10*4		
4.	80*10*4 mm		
5.	80*10*4 mm		

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