LNP™ LUBRICOMP™ RFL36S compound

Polyamide 66

SABIC Innovative Plastics

Message:

LNP LUBRICOMP RFL36S is a compound based on Nylon 66 resin containing 30% Glass Fiber, 15% PTFE. Added features of this material include: Wear Resistant, Heat Stabilized.
Also known as: LNP* LUBRICOMP* Compound RFL-4036 HS
Product reorder name: RFL36S

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer PTFE Lubricant (15%)		
Features	Good Wear Resistance Good Weather Resistance Heat Stabilized Lubricated		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.51	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			
Break	139	MPa	ASTM D638
Break	138	MPa	ISO 527-2
Tensile Elongation (Break)	2.1	%	ASTM D638, ISO 527-2
Flexural Modulus	9700	MPa	ISO 178
Flexural Strength			
--	237	MPa	ASTM D790
--	211	MPa	ISO 178
Coefficient of Friction (vs. Itself - Dynamic)	0.58		ASTM D3702 Modified
Wear Factor - Washer	12.0	10^-10 in^5-min/ft-lb-hr	ASTM D3702 Modified
Impact	**Nominal Value**	**Unit**	**Test Method**
Instrumented Dart Impact			
23°C, Energy at Peak Load	10.6	J	ASTM D3763
--	2.89	J	ISO 6603-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
CLTE			
Flow : -40 to 40°C	3.8E-5	cm/cm/°C	ASTM E831, ISO 11359-2
Transverse : -40 to 40°C	5.5E-5	cm/cm/°C	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

Recommended distributors for this material

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