

LNP™ LUBRICOMP™ RFL26S compound

Polyamide 66
SABIC Innovative Plastics

Message:

LNP LUBRICOMP RFL26S is a compound based on Nylon 66 resin containing 30% Glass Fiber, 10% PTFE. Added features of this material include: Wear Resistant, Heat Stabilized.

Also known as: LNP* LUBRICOMP* Compound RFL-4026 HS

Product reorder name: RFL26S

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
	PTFE Lubricant (10%)		
Features	Good Wear Resistance		
	Heat Stabilized		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	185	MPa	ASTM D638
Tensile Elongation (Break)	3.3	%	ASTM D638
Flexural Modulus	9310	MPa	ASTM D790
Flexural Strength	276	MPa	ASTM D790
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.66		
vs. Itself - Static	0.57		
Wear Factor - Washer	5.00	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Unnotched Izod Impact (23°C)	1100	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	253	°C	ASTM D648
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

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Recommended distributors for this material

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