

LNP™ LUBRICOMP™ RFN17SXS compound

Polyamide

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP RFN17SXS is a compound based on Nylon 66 resin containing Glass Fiber, MOS2. Added features of this material include: Heat Stabilized

Also known as: LNP* LUBRICOMP* Compound RFL-4217 HS

Product reorder name: RFN17SXS

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Heat Stabilizer		
	Molybdenum Disulfide Lubricant		
Features	Heat Stabilized		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.10 to 0.30	%	Internal Method
Water Absorption (23°C, 24 hr)	0.84	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12300	MPa	ISO 527-2/1
Tensile Stress (Yield)	214	MPa	ISO 527-2/5
Tensile Strain (Break)	2.7	%	ISO 527-2/5
Flexural Modulus ¹	9750	MPa	ISO 178
Flexural Stress	286	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	11	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	70	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	262	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	253	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	8.7E-5	cm/cm/°C	
Transverse : 23 to 60°C	2.5E-5	cm/cm/°C	
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. | 2.0 mm/min |
| 2. | 80*10*4 |
| 3. | 80*10*4 |
| 4. | 80*10*4 mm |

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