

LNP™ LUBRICOMP™ RFL22E compound

Polyamide 66
SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP RFL22E is a compound based on PA66 resin, containing Glass Fiber and PTFE. Added features include: Internally Lubricated, Easy Moulding

Also known as: LNP* LUBRICOMP* Compound RFL-4022EM

Product reorder name: RFL22E

General Information			
Filler / Reinforcement	Glass Fabric		
Additive	PTFE Lubricant		
Features	Good Moldability		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.50 to 0.60	%	Internal Method
Water Absorption (23°C, 24 hr)	0.93	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4400	MPa	ISO 527-2/1
Tensile Stress (Yield)	95.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.7	%	ISO 527-2/5
Flexural Modulus ¹	4500	MPa	ISO 178
Flexural Stress	138	MPa	ISO 178
Flexural Strain at Break ²	4.7	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	4.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	25	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	256	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	236	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	4.2E-5	cm/cm/°C	
Transverse : 23 to 60°C	1.0E-4	cm/cm/°C	
Flammability	Nominal Value	Unit	Test Method
Glow Wire Ignition Temperature (2.00 mm)	675	°C	IEC 60695-2-13
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. | 2 mm/min |
| 3. | 80*10*4 |
| 4. | 80*10*4 |
| 5. | 80*10*4 mm |

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