

LNP™ LUBRICOMP™ KA000 compound

Acetal (POM) Copolymer

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP KA000 is a compound based on Acetal Copolymer resin containing Aramid Fiber, Proprietary Lubricant.

Also known as: LNP* LUBRICOMP* Compound KAF

Product reorder name: KA000

General Information			
Filler / Reinforcement	Aramid Fiber		
Additive	Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	1.4 to 2.2	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	60.0	MPa	ISO 527-2/5
Tensile Strain (Break)	8.8	%	ISO 527-2/5
Flexural Modulus ²	2500	MPa	ISO 178
Flexural Stress	64.0	MPa	ISO 178
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.23		
vs. Itself - Static	0.21		
Wear Factor - Washer	8.00	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	8.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	45	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 64.0 mm Span)	135	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	177 to 188	°C	
Middle Temperature	193 to 204	°C	
Front Temperature	210 to 221	°C	
Processing (Melt) Temp	199 to 216	°C	
Mold Temperature	82.2 to 110	°C	
Back Pressure	0.172 to 0.344	MPa	

Screw Speed	30 to 60	rpm
NOTE		
1.	Tensile Bar	
2.	2.0 mm/min	
3.	80*10*4	
4.	80*10*4	
5.	80*10*4 mm	

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