

LNP™ LUBRICOMP™ KA000M compound

Acetal (POM) Copolymer
SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP KA000M is a compound based on Acetal Copolymer resin containing Aramide and Proprietary Lubricant. Added features include Internally Lubricated.

Also known as: LNP* LUBRICOMP* Compound LUBRICOMP-KA

Product reorder name: KA000M

General Information			
UL YellowCard	E45329-101343833		
Filler / Reinforcement	Aramid Fiber		
Additive	Lubricant		
Features	Copolymer		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (315°C/5.0 kg)	4.00 to 6.00	cm³/10min	ISO 1133
Molding Shrinkage - Flow	2.5	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2/1
Tensile Stress (Yield)	41.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	7.4	%	ISO 527-2/5
Flexural Modulus ¹			ISO 178
--	2300	MPa	
60°C	1400	MPa	
100°C	800	MPa	
Flexural Stress			ISO 178
--	68.0	MPa	
60°C	42.0	MPa	
100°C	22.0	MPa	
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.21		
vs. Itself - Static	0.21		
Flexural Strain at Break ²			ISO 178
--	7.0	%	
60°C	7.0	%	

100°C	7.0	%	
Wear Factor - Washer	9.00	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	3.0	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 (1.8 MPa, Unannealed, 64.0 mm Span)	92.0	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.1E-4	cm/cm/°C	
Transverse : 23 to 60°C	1.2E-4	cm/cm/°C	
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.	2.0 mm/min		
2.	2 mm/min		
3.	80*10*4		
4.	80*10*4		
5.	80*10*4 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

