

LNP™ LUBRICOMP™ KAL22 compound

Acetal (POM) Copolymer

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP KAL22 is a compound based on Acetal Copolymer resin containing PTFE, Aramid Fiber.

Also known as: LNP* LUBRICOMP* Compound KAL-4022

Product reorder name: KAL22

General Information			
UL YellowCard	E45329-101344678		
Filler / Reinforcement	Aramid Fiber		
Additive	PTFE Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	1.8 to 2.2	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	56.0	MPa	ISO 527-2/5
Tensile Strain (Break)	11	%	ISO 527-2/5
Flexural Modulus ²	2900	MPa	ISO 178
Flexural Stress	61.0	MPa	ISO 178
Coefficient of Friction			ASTM D3702 Modified
vs. Itself - Dynamic	0.23		
vs. Itself - Static	0.16		
Wear Factor			ASTM D3702 Modified
Ring	0.00	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	
Washer	8.00	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	7.0	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)	87.0	°C	ISO 75-2/Af
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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