

LNP™ LUBRICOMP™ UFL269SA compound

Polyphthalamide

SABIC Innovative Plastics

Message:

LNP LUBRICOMP UFL269SA is a compound based on Polyphthalamide resin containing Glass Fiber, PTFE, Flame Retardant. Added features of this material include: Internally Lubricated, Heat Stabilized, Flame Retardant.

Also known as: LNP* LUBRICOMP* Compound UFL-4026 A FR HS

Product reorder name: UFL269SA

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	PTFE lubricant heat stabilizer		
Features	Thermal Stability Lubrication Flame retardancy		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.71	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow: 24 hours	0.20 - 0.40	%	ASTM D955
Transverse flow: 24 hours	0.70 - 0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	13700	MPa	ASTM D638
Tensile Strength (Break)	163	MPa	ASTM D638
Tensile Elongation (Break)	1.7	%	ASTM D638
Flexural Modulus	12800	MPa	ASTM D790
Flexural Strength	228	MPa	ASTM D790
Coefficient of Friction			ASTM D3702 Modified
With self-dynamics	0.47		ASTM D3702 Modified
With Self-Static	0.38		ASTM D3702 Modified
Wear Factor - Washer	85.0	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Unnotched Izod Impact (23°C)	460	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	273	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, Testing by SABIC)	V-0		UL 94

NOTE

1. 50 mm/min

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Recommended distributors for this material

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