

# 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			
UL YellowCard	E121562-101343460		
Filler / Reinforcement	Glass Fiber		
Additive	Flame Retardant		
	Heat Stabilizer		
	PTFE Lubricant		
Features	Flame Retardant		
	Heat Stabilized		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.71	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.20 to 0.40	%	
Across Flow : 24 hr	0.70 to 0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	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
vs. Itself - Dynamic	0.47		
vs. Itself - Static	0.38		
Wear Factor - Washer	85.0	10 <sup>-10</sup> in <sup>5</sup> -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
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	310 to 321	°C	
Middle Temperature	316 to 327	°C	
Front Temperature	327 to 338	°C	
Processing (Melt) Temp	316 to 332	°C	
Mold Temperature	149 to 171	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			
1.	50 mm/min		

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#### Recommended distributors for this material

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