

LNP™ LUBRICOMP™ UX06002 compound

Polyphthalamide
SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP UX06002 is a compound based on Polyphthalamide resin containing Aramid Fiber, PTFE. Added features include: Easy Molding, Internally Lubricated, Heat Stabilized.

Also known as: LNP* LUBRICOMP* Compound UAL-4023 A EM HS

Product reorder name: UX06002

General Information			
Filler / Reinforcement	Aramid Fiber		
Additive	Heat Stabilizer		
	PTFE Lubricant		
Features	Good Moldability		
	Heat Stabilized		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (340°C/2.16 kg)	27.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	74.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/5
Flexural Modulus ¹	4100	MPa	ISO 178
Flexural Stress	124	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	3.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	15	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	111	°C	ISO 75-2/Af
CLTE - Flow (23 to 60°C)	5.1E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°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	138 to 166	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE		
1.	2.0 mm/min	
2.	80*10*4	
3.	80*10*4	
4.	80*10*4 mm	

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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



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