

LNP™ LUBRILOY™ UX99725 compound

Polyphthalamide

SABIC Innovative Plastics

Message:

LNP LUBRILOY* UX99725 is a compound based on Polyphthalamide resin containing Proprietary Lubricant. Added feature of this material is: Wear Resistant.

Also known as: LNP* LUBRILOY* Compound PDX-U-99725

Product Reorder name: UX99725

General Information			
Additive	Lubricant		
Features	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Molding Shrinkage			
Flow	1.4	%	Internal Method
Across Flow : 24 hr	1.5	%	ISO 294-4
Flow : 24 hr	1.9	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.46	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2/1
Tensile Stress			
Yield	63.0	MPa	ISO 527-2
Yield	70.0	MPa	ISO 527-2/5
Break	57.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	6.5	%	ISO 527-2/5
Flexural Modulus			ISO 178
--	2360	MPa	
-- ¹	2100	MPa	
Flexural Stress	93.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	11	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³			
0.45 MPa, Unannealed, 64.0 mm Span	147	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	129	°C	ISO 75-2/Af
CLTE - Transverse (23 to 60°C)	8.4E-5	cm/cm/°C	ISO 11359-2
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. 2.0 mm/min
2. 80*10*4
3. 80*10*4 mm

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Recommended distributors for this material

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