

LNP™ LUBRILOY™ UA200A compound

Polyphthalamide

SABIC Innovative Plastics

Message:

LNP LUBRILOY* UA200A is a compound based on Polyphthalamide resin containing Aramid Fiber, Proprietary Lubricant. Added features of this material include: Internally Lubricated.

Also known as: LNP* LUBRILOY* Compound UA-EXP

Product reorder name: UA200A

General Information			
Filler / Reinforcement	Aramid fiber		
Additive	Lubricant		
Features	Lubrication		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow: 24 hours	0.90 - 1.1	%	ASTM D955
Transverse flow: 24 hours	1.4 - 1.6	%	ASTM D955
Water Absorption (24 hr, 50% RH)	0.42	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	4300	MPa	ASTM D638
Tensile Strength (Break)	86.3	MPa	ASTM D638
Tensile Elongation (Break)	3.3	%	ASTM D638
Flexural Modulus	3720	MPa	ASTM D790
Flexural Strength	131	MPa	ASTM D790
Coefficient of Friction			ASTM D3702 Modified
With self-dynamics	0.25		ASTM D3702 Modified
With Self-Static	0.21		ASTM D3702 Modified
Wear Factor - Washer	5.00	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256
Unnotched Izod Impact (23°C)	600	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.20mm	254	°C	ASTM D648
1.8 MPa, unannealed, 3.20mm	118	°C	ASTM D648
Linear thermal expansion coefficient			ASTM E831
Flow: -40 to 40°C	4.5E-5	cm/cm/°C	ASTM E831
Lateral: -40 to 40°C	5.9E-5	cm/cm/°C	ASTM E831
Thermal Conductivity	0.29	W/m/K	ASTM E1530

Injection	Nominal Value	Unit
Drying Temperature	121 - 149	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.15	%
Rear Temperature	304 - 316	°C
Middle Temperature	304 - 316	°C
Front Temperature	304 - 316	°C
Processing (Melt) Temp	310 - 316	°C
Mold Temperature	121 - 149	°C
Back Pressure	0.172 - 0.344	MPa
Screw Speed	30 - 60	rpm

NOTE

1. 50 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT