

LNP™ LUBRICOMP™ UX05051 compound

Polyphthalamide

SABIC Innovative Plastics Europe

Message:

Internally lubricated Polyphthalamide compound, containing Glass Fiber and PTFE. Added features include Heat Stabilized, Flame Retardant and Hot Water Moldable

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

Product reorder name: UX05051

General Information			
UL YellowCard	E45329-101949148		
Filler / Reinforcement	Glass Fiber		
Additive	Heat Stabilizer		
	PTFE Lubricant		
Features	Flame Retardant		
	Heat Stabilized		
	Hot Water Moldability		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.76	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12100	MPa	ISO 527-2/1
Tensile Stress (Break)	138	MPa	ISO 527-2/5
Tensile Strain (Break)	1.0	%	ISO 527-2/5
Flexural Modulus ¹	10700	MPa	ISO 178
Flexural Stress	188	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	8.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	25	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	273	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.0E-5	cm/cm/°C	
Transverse : 23 to 60°C	5.2E-5	cm/cm/°C	
Flammability	Nominal Value		Test Method
Flame Rating (0.400 mm)	V-0		UL 94

Injection	Nominal Value	Unit
Drying Temperature	82.2	°C
Drying Time	4.0	hr
Rear Temperature	304 to 321	°C
Middle Temperature	304 to 321	°C
Front Temperature	304 to 321	°C
Processing (Melt) Temp	304 to 316	°C
Mold Temperature	93.3 to 121	°C
Back Pressure	0.344 to 0.690	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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