

LNP™ LUBRICOMP™ YL003 compound

Thermoplastic Polyester Elastomer

SABIC Innovative Plastics

Message:

LNP LUBRICOMP YL003 is a compound based on Polyester Elastomer containing PTFE. Added features include; Internally Lubricated.

Also known as: LNP* LUBRICOMP* Compound YL-4030

Product reorder name: YL003

General Information			
Additive	PTFE Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm ³	ISO 1183
Molding Shrinkage			
Flow	2.3	%	Internal Method
Across Flow : 24 hr	1.5 to 2.5	%	ISO 294-4
Flow : 24 hr	1.5 to 2.5	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	180	MPa	ISO 527-2/1
Tensile Stress (Yield)	24.0	MPa	ISO 527-2/50
Tensile Strain (Break)	460	%	ISO 527-2/50
Flexural Modulus ¹	230	MPa	ISO 178
Flexural Stress	12.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	21	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	No Break		ISO 180/1U
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	182 to 193	°C	
Middle Temperature	204 to 216	°C	
Front Temperature	227 to 238	°C	
Processing (Melt) Temp	216 to 238	°C	
Mold Temperature	26.7 to 54.4	°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

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

