

LNP™ LUBRICOMP™ YP003 compound

Thermoplastic Polyester Elastomer

SABIC Innovative Plastics

Message:

LNP LUBRICOMP YP003 is a compound based on Polyester Elastomer containing PTFE, Silicone. Added features include; Internally Lubricated.

Also known as: LNP* LUBRICOMP* Compound YL-4530

Product reorder name: YP003

General Information			
UL YellowCard	E45329-101344692		
Additive	PTFE + Silicone Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Molding Shrinkage			
Flow	2.2	%	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	160	MPa	ISO 527-2/1
Tensile Stress (Yield)	20.0	MPa	ISO 527-2/50
Tensile Strain (Break)	370	%	ISO 527-2/50
Flexural Modulus ¹	200	MPa	ISO 178
Flexural Stress	10.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	34	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

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Recommended distributors for this material

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