

LNP™ LUBRICOMP™ WAL34I compound

Polybutylene Terephthalate

SABIC Innovative Plastics Europe

Message:

LNP LUBRICOMP WAL34I is a compound based on Polybutylene Terephthalate resin containing PTFE, Aramid Fiber. Added features include Internally Lubricated.

Also known as: LNP* LUBRICOMP* Compound WAL-4034 NAT

Product reorder name: WAL34I

General Information			
Filler / Reinforcement	Aramid Fiber		
Additive	PTFE Lubricant		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.77	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	58.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.9	%	ISO 527-2/5
Flexural Modulus ¹	3200	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	6.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	30	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	217	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	149	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	5.8E-5	cm/cm/°C	
Transverse : 23 to 60°C	1.3E-4	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	221 to 232	°C	
Middle Temperature	243 to 254	°C	
Front Temperature	260 to 271	°C	
Processing (Melt) Temp	238 to 266	°C	

Mold Temperature	82.2 to 98.9	°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	
4.	80*10*4 mm	

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