

LNP™ LUBRICOMP™ CL001I compound

High Impact Polystyrene

SABIC Innovative Plastics

Message:

LNP* LUBRICOMP* CL001I is a compound based on Polystyrene resin containing 5% PTFE. Added features of this material include: Wear Resistant, High Impact.

Also known as: LNP* LUBRICOMP* Compound CL-4010 HI

Product reorder name: CL001I

General Information			
Additive	PTFE Lubricant (5%)		
Features	Good Wear Resistance		
	High Impact Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	1850	MPa	ASTM D638
Tensile Strength (Break)	20.7	MPa	ASTM D638
Tensile Elongation (Break)	37	%	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Flexural Strength	34.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	96	J/m	ASTM D256
Unnotched Izod Impact (23°C)	800	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	72.8	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	221 to 232	°C	
Middle Temperature	243 to 254	°C	
Front Temperature	266 to 277	°C	
Processing (Melt) Temp	249	°C	
Mold Temperature	37.8 to 65.6	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	

NOTE

1. 50 mm/min

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Recommended distributors for this material

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