

LNP™ LUBRILOY™ D20009 compound

Polycarbonate
SABIC Innovative Plastics

Message:

LNP LUBRILOY* D20009 is a compound based on Polycarbonate resin containing Flame Retardant, Proprietary Lubricant. Added features of this material include: Flame Retardant.

Also known as: LNP* LUBRILOY* Compound D-FR

Product reorder name: D20009

General Information			
UL YellowCard	E207780-101283840		
Additive	Lubricant		
Features	Lubrication		
	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow: 24 hours	0.60 - 0.80	%	ASTM D955
Transverse flow: 24 hours	0.60 - 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	61.0	MPa	ASTM D638
Tensile Elongation (Break)	84	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength	87.0	MPa	ASTM D790
Coefficient of Friction			ASTM D3702 Modified
With self-dynamics	0.25		ASTM D3702 Modified
With Self-Static	0.13		ASTM D3702 Modified
Wear Factor - Washer	56.0	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D3702 Modified
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	700	J/m	ASTM D256
Unnotched Izod Impact (23°C)	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	121	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm, Testing by SABIC	V-2		UL 94
3.00 mm, Testing by SABIC	V-0		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	121	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	293 - 304	°C
Middle Temperature	310 - 321	°C
Front Temperature	321 - 332	°C
Processing (Melt) Temp	304 - 327	°C
Mold Temperature	82.2 - 110	°C
Back Pressure	0.172 - 0.344	MPa
Screw Speed	30 - 60	rpm

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