LNP™ LUBRILOY™ Lexan_WR6300 compound

Acrylonitrile Ethylene Styrene + PC + SAN

SABIC Innovative Plastics

Message:

LNP LUBRILOY LEXAN_WR6300 compound is a wear resistant PC+SAN, with proprietary lubricant, for business equipment applications.

General Information			
UL YellowCard	E121562-221012		
Additive	Lubricant		
Features	Lubricated		
Uses	Business Equipment		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.17	g/cm³	ASTM D792
Melt Volume-Flow Rate (MVR) (300°C/2.16 kg)	38.0	cm³/10min	ISO 1133
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]			ASTM D638
Yield	60.7	MPa	
Break	61.4	MPa	
Tensile Elongation [2] (Break)	160	%	ASTM D638
Flexural Modulus [3] (50.0 mm Span)	2490	MPa	ASTM D790
Flexural Strength [4] (Yield, 50.0 mm Span)	96.5	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-30°C	170	J/m	
23°C	680	J/m	
Unnotched Izod Impact (23°C)	2500	J/m	ASTM D4812
Instrumented Dart Impact (23°C, Total Energy)	60.2	J	ASTM D3763
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	134	°C	
1.8 MPa, Unannealed, 3.20 mm	117	°C	
1.8 MPa, Unannealed, 6.40 mm	121	°C	
Vicat Softening Temperature	137	°C	ASTM D1525 [5]
CLTE			ASTM E831
Flow : -40 to 40°C	1.1E-4	cm/cm/°C	
Transverse : -40 to 40°C	1.2E-4	cm/cm/°C	
RTI Elec	80.0	°C	UL 746

RTI Imp	80.0	°C	UL 746
RTI Str	80.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	107	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	24	hr	
Suggested Max Moisture	0.020	%	
Suggested Shot Size	40 to 60	%	
Rear Temperature	227 to 249	°C	
Middle Temperature	238 to 260	°C	
Front Temperature	249 to 271	°C	
Nozzle Temperature	243 to 266	°C	
Processing (Melt) Temp	249 to 271	°C	
Mold Temperature	48.9 to 82.2	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	40 to 70	rpm	
Vent Depth	0.025 to 0.076	mm	

NOTE	
1.	Type I, 50 mm/min
2.	Type I, 50 mm/min
3.	1.3 mm/min
4.	1.3 mm/min
5.	Rate B (120°C/h), Loading 2 (50 N)

Recommended distributors for this material

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