

LNP™ LUBRICOMP™ Lexan_WR6300

compound

Acrylonitrile Ethylene Styrene + PC + SAN

SABIC Innovative Plastics Asia Pacific

Message:

Wear resistant PC+SAN, with proprietary lubricant, for business equipment applications.

General Information			
Additive	Lubricant		
Features	Good Wear Resistance		
	Lubricated		
Uses	Business Equipment		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Volume-Flow Rate (MVR) (300°C/2.16 kg)	38.0	cm ³ /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
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)		

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