

LNP™ LUBRICOMP™ Lexan_WR5210R

compound

Polycarbonate

SABIC Innovative Plastics

Message:

LNP LUBRICOMP LEXAN_WR5210R compound is a wear resistant, 7% PTFE filled PC.

General Information			
UL YellowCard	E121562-221026		
Additive	PTFE Lubricant (7%)		
Features	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Multi-Point Data	Tensile Creep (ASTM D2990)		
	Viscosity vs. Shear Rate (ASTM D3835)		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	22	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	53.8	MPa	
Break	55.2	MPa	
Tensile Elongation ² (Break)	75	%	ASTM D638
Flexural Modulus ³ (50.0 mm Span)	2030	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 50.0 mm Span)	83.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	180	J/m	ASTM D256
Instrumented Dart Impact (23°C, Energy at Peak Load)	38.9	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	127	°C	ASTM D648
RTI Elec	80.0	°C	UL 746
RTI Imp	80.0	°C	UL 746
RTI Str	80.0	°C	UL 746
Electrical	Nominal Value		Test Method
Comparative Tracking Index (CTI)	PLC 3		UL 746

High Amp Arc Ignition (HAI)	PLC 0	UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 2	UL 746
Hot-wire Ignition (HWI)	PLC 2	UL 746
Flammability	Nominal Value	Test Method
Flame Rating (1.50 mm)	HB	UL 94
Optical	Nominal Value	Test Method
Gardner Gloss (60°, Untextured)	52	ASTM D523
Injection	Nominal Value	Unit
Drying Temperature	121	°C
Drying Time	3.0 to 4.0	hr
Drying Time, Maximum	10	hr
Suggested Max Moisture	0.020	%
Suggested Shot Size	40 to 60	%
Rear Temperature	254 to 277	°C
Middle Temperature	266 to 288	°C
Front Temperature	277 to 299	°C
Nozzle Temperature	271 to 293	°C
Processing (Melt) Temp	277 to 299	°C
Mold Temperature	71.1 to 93.3	°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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT