

SABIC Innovative Plastics LNP LUBRICOMP Lexan_WR2210 PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* Lubricomp* Lexan_WR2210 compound is based on an alternative polymeric wear technology and does not contain silicones. LEXAN WR2210 has superior processability (flow similar to LEXAN 121) and part appearance.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-LUBRICOMP-LexanWR2210-PC-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Density	1.19 g/cc	0.0430 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	on Tensile Bar; SABIC Method
Melt Index of Compound	15 g/10 min @Load 1.20 kg, Temperature 300 °C	15 g/10 min @Load 2.65 lb, Temperature 572 °F	MVR [cm ³ /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, H358/30	103 MPa	14900 psi	ISO 2039-1
Tensile Strength at Break	60.0 MPa	8700 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	55.0 MPa	7980 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	100 %	100 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	6.0 %	6.0 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	2.00 GPa	290 ksi	5 mm/min; ASTM D638
Flexural Yield Strength	85.0 MPa	12300 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	2.20 GPa	319 ksi	2 mm/min; ISO 178
Izod Impact, Notched	6.00 J/cm	11.2 ft-lb/in	ASTM D256
	1.50 J/cm @Temperature -20.0 °C	2.81 ft-lb/in @Temperature -4.00 °F	ASTM D256
Izod Impact, Notched (ISO)	45.0 kJ/m ²	21.4 ft-lb/in ²	80*10*4; ISO 180/1A

Mechanical Properties	Metric /mÅ²	English lb/inÅ²	Comments
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	80*10*4; ISO 180/1A
Charpy Impact, Notched	3.50 J/cmÅ²	16.7 ft-lb/inÅ²	ISO 179/2C

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	70.0 Åµm/m-Å°C	38.9 Åµin/in-Å°F	ISO 11359-2
	@Temperature 23.0 - 80.0 Å°C	@Temperature 73.4 - 176 Å°F	
Thermal Conductivity	0.200 W/m-K	1.39 BTU-in/hr-ftÅ²-Å°F	ISO 8302
Vicat Softening Point	142 Å°C	288 Å°F	Rate B/120; ISO 306
	150 Å°C	302 Å°F	Rate B/50; ASTM D1525
Flammability, UL94	HB	HB	UL 94 by SABIC-IP
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Oxygen Index	27 %	27 %	ISO 4589

Descriptive Properties	Value	Comments
Ball Pressure Test, 125Å°C +/- 2Å°C	PASSES	IEC 60695-10-2

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China