LNP™ LUBRICOMP™ COMPOUND WR2210

REGION ASIA

DESCRIPTION

LNP LUBRICOMP WR2210 compound is an alternative polymeric wear additive technology. No silicones, superior processability/part appearance. Flow similar to LEXAN 121 resin.

TYPICAL PROPERTY VALUES

Revision 20190718

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yld, Type I, 50 mm/min	59	MPa	ASTM D 638
Tensile Stress, brk, Type I, 50 mm/min	62	MPa	ASTM D 638
Tensile Strain, brk, Type I, 50 mm/min	94	%	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	88	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	2390	MPa	ASTM D 790
K-factor xE-10, PV=2000 psi-fpm vs Steel	85	-	SABIC method
Coefficient of Friction on steel, Static	0.17	-	ASTM D 1894
Coefficient of Friction on steel,Kinetic	0.21	-	ASTM D 1894
IMPACT			
Izod Impact, notched, 23°C	630	J/m	ASTM D 256
Tensile Impact Strength, Type S	630	kJ/m²	ASTM D 1822
Instrumented Impact Energy @ peak, 23°C	56	J	ASTM D 3763
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	127	°C	ASTM D 648
HDT, 1.82 MPa, 6.4 mm, unannealed	127	°C	ASTM D 648
Relative Temp Index, Elec [1]	100	°C	UL 746B
Relative Temp Index, Mech w/impact [1]	100	°C	UL 746B
Relative Temp Index, Mech w/o impact [1]	100	°C	UL 746B
PHYSICAL			
Specific Gravity	1.2	-	ASTM D 792
Mold Shrinkage, flow, 3.2 mm	0.5 – 0.7	%	SABIC method
Melt Flow Rate, 300°C/1.2 kgf	18.2	g/10 min	ASTM D 1238
ELECTRICAL			
Hot-Wire Ignition (HWI), PLC 2	≥3	mm	UL 746A
Hot-Wire Ignition (HWI), PLC 4	≥1.5	mm	UL 746A
High Amp Arc Ignition (HAI), PLC 1	≥3	mm	UL 746A
High Amp Arc Ignition (HAI), PLC 2	≥1.5	mm	UL 746A
Comparative Tracking Index (UL) {PLC}	3	PLC Code	UL 746A
High Voltage Arc Track Rate {PLC}	2	PLC Code	UL 746A
Arc Resistance, Tungsten {PLC}	5	PLC Code	ASTM D 495
FLAME CHARACTERISTICS [1]			
UL Yellow Card Link	E207780-100726470	-	-
UL Recognized, 94HB Flame Class Rating	≥1.5	mm	UL 94

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(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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