+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

LNP™ LUBRICOMP™ Compound OX97635

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound PDX-O-97635
Product reorder name: OX97635

LNP LUBRICOMP™ OX97635 is a compound based on Polyphenylene Sulfide resin containing Proprietary Filler(s). Added features of this material include: Electrically Conductive, Wear Resistant.

TYPICAL PROPERTIES[1]	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1230	kgf/cm²	ASTM D 638
Tensile Strain, break	0.8	%	ASTM D 638
Tensile Modulus, 50 mm/min	234100	kgf/cm²	ASTM D 638
Flexural Stress	2580	kgf/cm²	ASTM D 790
Flexural Modulus	250200	kgf/cm²	ASTM D 790
Tensile Stress, break	165	MPa	ISO 527
Tensile Strain, break	0.8	%	ISO 527
Tensile Modulus, 1 mm/min	26200	MPa	ISO 527
Flexural Stress	259	MPa	ISO 178
Flexural Modulus	25940	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	40	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	4	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	45	cm-kgf	ASTM D 3763
Multiaxial Impact	22	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	24	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	269	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	265	°C	ISO 75/Af
PHYSICAL			
Density	1.55	g/cm³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.02	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.1	%	ASTM D 955

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

LNP™ LUBRICOMP™ Compound OX97635

Americas: COMMERCIAL

TYPICAL PROPERTIES[1]	TYPICAL VALUE	Unit	Standard
PHYSICAL			
Mold Shrinkage, xflow, 24 hrs (5)	0.4	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	0.06	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.44	%	ISO 294
Wear Factor Washer	47	10^-10 in^5-min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.36	-	ASTM D 3702 Modified
Static COF	0.31	-	ASTM D 3702 Modified
Density	1.55	g/cm³	ISO 1183
Moisture Absorption (23°C / 50% RH)	0.02	%	ISO 62

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

LNP™ LUBRICOMP™ Compound OX97635

Americas: COMMERCIAL

PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Melt Temperature	315 - 320	°C
Front - Zone 3 Temperature	330 - 345	°C
Middle - Zone 2 Temperature	320 - 330	°C
Rear - Zone 1 Temperature	305 - 315	°C
Mold Temperature	140 - 165	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm