



LNP™ LUBRICOMP™ Compound OX88533

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound PDX-O-88533

Product reorder name: OX88533

LNP LUBRICOMP™ OX88533 is a compound based on Polyphenylene Sulfide resin containing Proprietary Filler(s). Added feature of this material is: Wear Resistant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1470	kgf/cm ²	ASTM D 638
Tensile Strain, break	1.8	%	ASTM D 638
Tensile Modulus, 50 mm/min	133500	kgf/cm ²	ASTM D 638
Flexural Stress	2040	kgf/cm ²	ASTM D 790
Flexural Modulus	111700	kgf/cm ²	ASTM D 790
Tensile Stress, break	146	MPa	ISO 527
Tensile Strain, break	1.8	%	ISO 527
Tensile Modulus, 1 mm/min	12180	MPa	ISO 527
Flexural Stress	208	MPa	ISO 178
Flexural Modulus	11440	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	53	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	8	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	73	cm-kgf	ASTM D 3763
Multiaxial Impact	31	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	38	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	9	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	263	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	260	°C	ISO 75/Af
PHYSICAL			
Density	1.69	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.01	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.1	%	ASTM D 955



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PHYSICAL			
Mold Shrinkage, xflow, 24 hrs (5)	0.5	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	0.09	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.53	%	ISO 294
Wear Factor Washer	59	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.43	-	ASTM D 3702 Modified
Static COF	0.34	-	ASTM D 3702 Modified
Density	1.69	g/cm ³	ISO 1183



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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