



LNP™ LUBRICOMP™ Compound JX91198

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound PDX-J-91198

Product reorder name: JX91198

LNP LUBRICOMP™ JX91198 is a compound based on Polyethersulfone resin containing Proprietary Filler(s). Added feature of this material is: Wear Resistant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1190	kgf/cm ²	ASTM D 638
Tensile Strain, break	1.9	%	ASTM D 638
Tensile Modulus, 50 mm/min	103300	kgf/cm ²	ASTM D 638
Flexural Stress	1720	kgf/cm ²	ASTM D 790
Flexural Modulus	89900	kgf/cm ²	ASTM D 790
Tensile Stress, break	112	MPa	ISO 527
Tensile Strain, break	1.8	%	ISO 527
Tensile Modulus, 1 mm/min	9200	MPa	ISO 527
Flexural Stress	161	MPa	ISO 178
Flexural Modulus	9230	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	33	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	4	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	42	cm-kgf	ASTM D 3763
Multiaxial Impact	24	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	26	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	7	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	211	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	228	°C	ISO 75/Af
PHYSICAL			
Density	1.5	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.41	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.2	%	ASTM D 955





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PHYSICAL			
Mold Shrinkage, xflow, 24 hrs (5)	0.4	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	0.17	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.41	%	ISO 294
Wear Factor Washer	4	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	1.5	g/cm ³	ISO 1183
Moisture Absorption (23°C / 50% RH)	0.53	%	ISO 62





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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Maximum Moisture Content	0.05	%
Melt Temperature	355 - 370	°C
Front - Zone 3 Temperature	370 - 380	°C
Middle - Zone 2 Temperature	360 - 370	°C
Rear - Zone 1 Temperature	345 - 355	°C
Mold Temperature	140 - 150	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	60 - 100	rpm

