



LNP™ LUBRICOMP™ Compound UX96507

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound PDX-U-96507

Product reorder name: UX96507

LNP LUBRICOMP UX96507 is a compound based on PPA containing proprietary fillers. Added feature of this grade is: Wear Resistant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	2300	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	1.7	%	ASTM D 638
Tensile Modulus, 5 mm/min	197200	kgf/cm ²	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	3170	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	172300	kgf/cm ²	ASTM D 790
Tensile Stress, break, 5 mm/min	226	MPa	ISO 527
Tensile Strain, break, 5 mm/min	1.7	%	ISO 527
Tensile Modulus, 1 mm/min	18730	MPa	ISO 527
Flexural Stress	313	MPa	ISO 178
Flexural Modulus, 2 mm/min	16770	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	59	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	7	cm-kgf/cm	ASTM D 256
Multiaxial Impact	30	cm-kgf	ISO 6603
Instrumented Impact Total Energy, 23°C	61	cm-kgf	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	38	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	7	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	280	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	262	°C	ASTM D 648
CTE, -30°C to 30°C, flow	2.7E-05	1/°C	ASTM D 696
CTE, -30°C to 30°C, xflow	3.2E-06	1/°C	ASTM D 696
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	277	°C	ISO 75/Bf



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THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	259	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.5	-	ASTM D 792
Density	1.49	g/cm³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.29	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.01 - 0.03	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.3 - 0.5	%	ASTM D 955
Moisture Absorption (23°C / 50% RH)	0.4	%	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	0.15	%
Melt Temperature	320 - 350	°C
Front - Zone 3 Temperature	330 - 345	°C
Middle - Zone 2 Temperature	325 - 340	°C
Rear - Zone 1 Temperature	315 - 325	°C
Mold Temperature	50 - 105	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	60 - 100	rpm