



LNP™ LUBRICOMP™ Compound EX00548C

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound PDX-E-00548 CCS

Product reorder name: EX00548C

LNP™ LUBRICOMP™ EX00548C is a compound based on Polyetherimide resin containing Proprietary Fillers. Added features of this material include: Clean Compounding System, Wear Resistant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	870	kgf/cm ²	ASTM D 638
Tensile Stress, break	850	kgf/cm ²	ASTM D 638
Tensile Strain, yield	6.1	%	ASTM D 638
Tensile Strain, break	8.1	%	ASTM D 638
Tensile Modulus, 50 mm/min	30900	kgf/cm ²	ASTM D 638
Flexural Stress	1510	kgf/cm ²	ASTM D 790
Flexural Modulus	35100	kgf/cm ²	ASTM D 790
Tensile Stress, yield	86	MPa	ISO 527
Tensile Stress, break	85	MPa	ISO 527
Tensile Strain, yield	6	%	ISO 527
Tensile Strain, break	7.6	%	ISO 527
Tensile Modulus, 1 mm/min	3200	MPa	ISO 527
Flexural Stress	143	MPa	ISO 178
Flexural Modulus	3390	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	47	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	2	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	49	cm-kgf	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	32	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	4	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	185	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	184	°C	ISO 75/Af



LNP™ LUBRICOMP™ Compound EX00548C

Americas: COMMERCIAL

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
PHYSICAL			
Density	1.31	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.22	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.7	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	0.66	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.7	%	ISO 294
Density	1.31	g/cm ³	ISO 1183



LNP™ LUBRICOMP™ Compound EX00548C

Americas: COMMERCIAL

PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4 - 6	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	360 - 365	°C
Front - Zone 3 Temperature	365 - 375	°C
Middle - Zone 2 Temperature	355 - 365	°C
Rear - Zone 1 Temperature	345 - 355	°C
Mold Temperature	120 - 150	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	60 - 100	rpm