



LNP™ LUBRICOMP™ Compound EFL34HL
Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound EFL-4034 LE
Product reorder name: EFL34HL

LNP™ LUBRICOMP™ EFL34HL is a compound based on Polyetherimide resin containing 20% Glass Fiber, 15% PTFE. Added features of this material include: Wear Resistant, Low Extractable.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1150	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.2	%	ASTM D 638
Tensile Modulus, 50 mm/min	77300	kgf/cm ²	ASTM D 638
Flexural Stress	1820	kgf/cm ²	ASTM D 790
Flexural Modulus	76600	kgf/cm ²	ASTM D 790
Tensile Stress, break	113	MPa	ISO 527
Tensile Strain, break	2.2	%	ISO 527
Tensile Modulus, 1 mm/min	7400	MPa	ISO 527
Flexural Stress	181	MPa	ISO 178
Flexural Modulus	7940	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	49	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	7	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	87	cm-kgf	ASTM D 3763
Multiaxial Impact	27	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	32	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	20	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	203	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	204	°C	ISO 75/Af
PHYSICAL			
Density	1.54	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.17	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.3	%	ASTM D 955





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PHYSICAL			
Mold Shrinkage, xflow, 24 hrs (5)	0.6	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	0.33	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.6	%	ISO 294
Density	1.54	g/cm ³	ISO 1183
Moisture Absorption (23°C / 50% RH)	0.23	%	ISO 62





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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

