



LNP* Lubricomp* Compound DFL349

Asia Pacific: COMMERCIAL

Also known as: LNP* Lubricomp* Compound DFL-4034 FR

Product reorder name: DFL349

LNP LUBRICOMP* DFL349 is a compound based on Polycarbonate resin containing Flame Retardant, Glass Fiber, PTFE. Added features of this material include: Flame Retardant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, break	900	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.4	%	ASTM D 638
Tensile Modulus, 50 mm/min	66500	kgf/cm ²	ASTM D 638
Flexural Stress	1540	kgf/cm ²	ASTM D 790
Flexural Modulus	59900	kgf/cm ²	ASTM D 790
Tensile Stress, break	98	MPa	ISO 527
Tensile Strain, break	3.4	%	ISO 527
Tensile Modulus, 1 mm/min	7220	MPa	ISO 527
Flexural Stress	146	MPa	ISO 178
Flexural Modulus	5830	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	51	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	10	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	159	cm-kgf	ASTM D 3763
Multiaxial Impact	130	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	40	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	11	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	137	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	138	°C	ISO 75/Af
PHYSICAL			
Density	1.5	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.4 - 0.6	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.4 - 0.6	%	ASTM D 955



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PHYSICAL			
Mold Shrinkage, flow, 24 hrs	0.4 - 0.6	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.4 - 0.6	%	ISO 294
Wear Factor Washer	115	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.42	-	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)	0.12	%	ISO 62