

LNP* Lubricomp* Compound DCL36

Americas: COMMERCIAL

Also known as: DCL-4036
Product Reorder Name: DCL36

LNP LUBRICOMP* DCL36 is a compound based on Polycarbonate resin containing Carbon Fiber, PTFE. Added features of this material include: Electrically Conductive.

Property

TYPICAL PROPERTIES ⁽¹⁾			
	Value	Unit	Standard
MECHANICAL			
Tensile Stress, break	158	MPa	ASTM D 638
Tensile Strain, break	1.7	%	ASTM D 638
Flexural Stress	241	MPa	ASTM D 790
Flexural Modulus	17920	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	534	J/m	ASTM D 4812
Izod Impact, notched, 23°C	122	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	145	°C	ASTM D 648
PHYSICAL			
Density	1.43	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.03 - 0.1	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.3 - 0.5	%	ASTM D 955
Wear Factor Washer	38	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
ELECTRICAL			
Volume Resistivity	1.E+04 - 1.E+05	Ohm-cm	ASTM D 257
Surface Resistivity	1.E+03 - 1.E+04	Ohm	ASTM D 257

Source GMD, last updated:09/28/2004

Processing

Parameter	Value	Unit
Injection Molding		
Drying Temperature	120	°C
Drying Time	4	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	305 - 325	°C
Front - Zone 3 Temperature	320 - 330	°C
Middle - Zone 2 Temperature	310 - 320	°C
Rear - Zone 1 Temperature	295 - 305	°C
Mold Temperature	80 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

Source GMD, last updated:09/28/2004

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

- (1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.
- (2) Only typical data for selection purposes. Not to be used for part or tool design.
- (3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.
- (4) Internal measurements according to UL standards.

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