LNP™ LUBRICOMP™ Compound CBL36XXC

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound CBL-4036
Product reorder name: CBL36XXC

LNP LUBRICOMP CBL36XXC is a compound based on Polystyrene resin containing 30% Glass Bead and 15% PTFE. Added features of this material include: Wear Resistant.

TYPICAL PROPERTIES[1]	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	220	kgf/cm²	ASTM D 638
Tensile Strain, break	2	%	ASTM D 638
Tensile Modulus, 50 mm/min	56700	kgf/cm²	ASTM D 638
Flexural Stress	420	kgf/cm²	ASTM D 790
Flexural Modulus	41600	kgf/cm²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	7	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	1	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	77	°C	ASTM D 648
PHYSICAL			
Density	1.42	g/cm³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.5	%	ASTM D 955

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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	250	°C
Front - Zone 3 Temperature	265 - 275	°C
Middle - Zone 2 Temperature	245 - 255	°C
Rear - Zone 1 Temperature	220 - 230	°C
Mold Temperature	40 - 65	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm