



LNP™ LUBRICOMP™ Compound RCP36XXP

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound RCL4536SLV

Product reorder name: RCP36XXP

LNP* Lubricomp* RCP36XXP is a compound based on Nylon 66 resin containing PTFE, Carbon Fiber, Silicone. Added features of this material include: Electrically Conductive, Easy Molding, Internally Lubricated.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	150	MPa	ISO 527
Tensile Strain, break, 5 mm/min	0.9	%	ISO 527
Flexural Stress, break, 2 mm/min	236	MPa	ISO 178
Flexural Modulus, 2 mm/min	12000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	46	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	8	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	244	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage on Tensile Bar, flow (2) (5)	0.1 - 0.3	%	SABIC Method
Wear Factor Washer	16	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified: Instr.
Dynamic COF	0.34	-	ASTM D 3702 Modified: Instr.
Static COF	0.55	-	ASTM D 3702 Modified: Instr.
Density	1.35	g/cm ³	ISO 1183



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15 - 0.25	%
Melt Temperature	275 - 290	°C
Front - Zone 3 Temperature	295 - 305	°C
Middle - Zone 2 Temperature	280 - 295	°C
Rear - Zone 1 Temperature	265 - 275	°C
Mold Temperature	80 - 95	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm