



LNP™ LUBRICOMP™ Compound CL002

Europe-Africa-Middle East: COMMERCIAL

LNP LUBRICOMP CL002 is a compound based on Polystyrene resin containing PTFE. Added features include: Internally Lubricated.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	27	MPa	ISO 527
Tensile Strain, break, 5 mm/min	13.3	%	ISO 527
Tensile Modulus, 1 mm/min	2000	MPa	ISO 527
Flexural Stress, break, 2 mm/min	40	MPa	ISO 178
Flexural Modulus, 2 mm/min	2000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	25	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	8	kJ/m ²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	7.6E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	8.4E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	94	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	84	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow (5)	0.6	%	SABIC Method
Density	1.11	g/cm ³	ISO 1183



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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