



LNP™ LUBRICOMP™ Compound CX05031

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound CL-4350 S

Product reorder name: CX05031

LNP LUBRICOMP CX05031 is a compound based on Polystyrene resin containing Graphite, Silicone. Added features include; Internally Lubricated.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 5 mm/min	30	MPa	ISO 527
Tensile Stress, break, 5 mm/min	24	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	0.6	%	ISO 527
Tensile Modulus, 1 mm/min	6900	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	51	MPa	ISO 178
Flexural Stress, break, 2 mm/min	48	MPa	ISO 178
Flexural Strain, break, 2 mm/min	2.4	%	ISO 178
Flexural Modulus, 2 mm/min	6400	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	5	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	3	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	87	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	81	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow (5)	0.2	%	SABIC Method
Density	1.2	g/cm ³	ISO 1183



LNP™ LUBRICOMP™ Compound CX05031

Europe-Africa-Middle East: COMMERCIAL

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