



LNP™ THERMOCOMP™ Compound LX04015

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound PDXL04015

Product reorder name: LX04015

LNP THERMOCOMP LX04015 is a compound based on Polyetheretherketone containing Carbon Fiber. Added features include: Electrically Conductive

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 5 mm/min	200	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2	%	ISO 527
Tensile Modulus, 1 mm/min	13800	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	275	MPa	ISO 178
Flexural Strain, break, 2 mm/min	3.1	%	ISO 178
Flexural Modulus, 2 mm/min	11100	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	30	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m ²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	1.E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	5.4E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	300	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow (5)	0.1 - 0.3	%	SABIC Method
Density	1.34	g/cm ³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+04 - 1.E+07	Ohm	ASTM D 257



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Maximum Moisture Content	0.1	%
Melt Temperature	380 - 390	°C
Front - Zone 3 Temperature	380 - 395	°C
Middle - Zone 2 Temperature	365 - 375	°C
Rear - Zone 1 Temperature	350 - 360	°C
Mold Temperature	140 - 165	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	60 - 100	rpm