



LNP™ THERMOCOMP™ Compound EC008

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound EC-1008

Product reorder name: EC008

LNP THERMOCOMP EC008 is a compound based on Polyetherimide resin containing Carbon Fiber. Added features include: Electrically Conductive.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 5 mm/min	211	MPa	ISO 527
Tensile Strain, break, 5 mm/min	0.9	%	ISO 527
Tensile Modulus, 1 mm/min	27000	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	286	MPa	ISO 178
Flexural Modulus, 2 mm/min	22200	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			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	214	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow, 24 hrs (5)	0.01 - 0.05	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.1 - 0.5	%	ASTM D 955
Density	1.44	g/cm ³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+01 - 1.E+03	Ohm	ASTM D 257





LNP™ THERMOCOMP™ Compound EC008

Europe-Africa-Middle East: COMMERCIAL

PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4 - 6	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	360 - 365	°C
Front - Zone 3 Temperature	365 - 375	°C
Middle - Zone 2 Temperature	355 - 365	°C
Rear - Zone 1 Temperature	345 - 355	°C
Mold Temperature	120 - 150	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	60 - 100	rpm

