



LNP™ THERMOCOMP™ Compound RC00A

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound RC-100-10

Product reorder name: RC00A

LNP THERMOCOMP RC00A is a compound based on PA6.6 resin containing Carbon Fiber. Added features include: Electrically Conductive

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	238	MPa	ISO 527
Tensile Strain, break, 5 mm/min	1	%	ISO 527
Tensile Modulus, 1 mm/min	33400	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	331	MPa	ISO 178
Flexural Modulus, 2 mm/min	24000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	35	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	10	kJ/m ²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	1.6E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	6.3E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	254	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage, flow (5)	0.05 - 0.15	%	SABIC Method
Density	1.37	g/cm ³	ISO 1183
ELECTRICAL			
Surface Resistivity	1.E+01 - 1.E+02	Ohm	ASTM D 257



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4 - 6	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	255 - 290	°C
Front - Zone 3 Temperature	260 - 270	°C
Middle - Zone 2 Temperature	255 - 265	°C
Rear - Zone 1 Temperature	250 - 260	°C
Mold Temperature	40 - 65	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm