

# LNP™ THERMOCOMP™ RC008ESS

## compound

Polyamide 66

SABIC Innovative Plastics Europe

### Message:

LNP THERMOCOMP RC008ESS is a compound based on PA66 resin containing Carbon Fiber. Added features include; Electrically Conductive, Easy Molding, Heat Stabilized.

Also known as: LNP\* THERMOCOMP\* Compound RC-1008 EM HS

Product reorder name: RC008ESS

General Information			
UL YellowCard	E45329-101343839		
Filler / Reinforcement	Carbon Fiber		
Additive	Heat Stabilizer		
Features	Electrically Conductive		
	Good Moldability		
	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 24 hr	0.80	%	
Flow : 24 hr	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	22900	MPa	ISO 527-2/1
Tensile Stress (Yield)	254	MPa	ISO 527-2/5
Tensile Strain (Break)	2.7	%	ISO 527-2/5
Flexural Modulus <sup>1</sup>	24600	MPa	ISO 178
Flexural Stress	375	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength <sup>2</sup> (23°C)	12	kJ/m <sup>2</sup>	ISO 180/1A
Unnotched Izod Impact Strength <sup>3</sup> (23°C)	70	kJ/m <sup>2</sup>	ISO 180/1U
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10 to 1.0E+2	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15 to 0.25	%	

Rear Temperature	266 to 277	°C
Middle Temperature	282 to 293	°C
Front Temperature	293 to 304	°C
Processing (Melt) Temp	282 to 304	°C
Mold Temperature	93.3 to 110	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

#### NOTE

- |    |            |
|----|------------|
| 1. | 2.0 mm/min |
| 2. | 80*10*4    |
| 3. | 80*10*4    |

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#### Recommended distributors for this material

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