

# LNP™ THERMOCOMP™ DB008ERP

## compound

Polycarbonate

SABIC Innovative Plastics

### Message:

LNP THERMOCOMP DB008ERP is a compound based on Polycarbonate resin containing 40% Glass Bead. Added features of this material include: Easy Molding, Mold Release.

Also known as: LNP\* THERMOCOMP\* Compound DB-1008 EM MR

Product reorder name: DB008ERP

General Information			
UL YellowCard	E121562-101357446		
Filler / Reinforcement	Glass Bead,40% Filler by Weight		
Additive	Mold Release		
Features	Good Moldability		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			
Flow : 24 hr	0.70	%	ASTM D955
Across Flow : 24 hr	0.70	%	ASTM D955
Across Flow : 24 hr	0.73	%	ISO 294-4
Flow : 24 hr	0.67	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	3960	MPa	ASTM D638
Tensile Strength (Break)	42.7	MPa	ASTM D638
Tensile Elongation (Break)	3.2	%	ASTM D638
Flexural Modulus	3840	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Unnotched Izod Impact (23°C)	400	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	133	°C	ASTM D648
Injection	Nominal Value	Unit	Test Method
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	293 to 304	°C	

Middle Temperature	304 to 316	°C
Front Temperature	310 to 321	°C
Processing (Melt) Temp	299 to 316	°C
Mold Temperature	82.2 to 110	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE

1. 50 mm/min

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Recommended distributors for this material

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