



LNP™ THERMOCOMP™ Compound DB008ERP

Americas: COMMERCIAL

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

Product reorder name: DB008ERP

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

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	430	kgf/cm ²	ASTM D 638
Tensile Strain, break	3.2	%	ASTM D 638
Tensile Modulus, 50 mm/min	40400	kgf/cm ²	ASTM D 638
Flexural Stress	770	kgf/cm ²	ASTM D 790
Flexural Modulus	39100	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	40	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	4	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	132	°C	ASTM D 648
PHYSICAL			
Density	1.33	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.7	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.7	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	0.67	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.73	%	ISO 294



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120	°C
Drying Time	4	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	300 - 315	°C
Front - Zone 3 Temperature	310 - 320	°C
Middle - Zone 2 Temperature	305 - 315	°C
Rear - Zone 1 Temperature	295 - 305	°C
Mold Temperature	80 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm