

LNPT[™] THERMOCOMP[™] COMPOUND MFB7 1 L

MF-1008 LE MG

DESCRIPTION

LNP THERMOCOMP MFB7 1 L compound is based on Polypropylene (PP) resin containing 35% glass bead, 5% glass fiber. Added features of this grade include: Low Extractables.

GENERAL INFORMATION

Features	Low Warpage, Food contact, High stiffness/Strength
Fillers	Glass Fiber, Glass Bead
Polymer Types	Polypropylene, Unspecified (PP, Unspecified)
Processing Techniques	Injection Molding

INDUSTRY

Building and Construction
Consumer
Packaging

SUB INDUSTRY

Water Management
Home Appliances
Industrial Packaging, Food & Beverage

TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL ⁽¹⁾			
Tensile Stress, break	23	MPa	ASTM D638
Tensile Strain, break	3.3	%	ASTM D638
Tensile Modulus, 50 mm/min	2990	MPa	ASTM D638
Flexural Stress	41	MPa	ASTM D790
Flexural Modulus	2950	MPa	ASTM D790
IMPACT ⁽¹⁾			
Izod Impact, unnotched, 23°C	221	J/m	ASTM D4812
Izod Impact, notched, 23°C	26	J/m	ASTM D256
THERMAL ⁽¹⁾			
HDT, 1.82 MPa, 3.2mm, unannealed	84	°C	ASTM D648
PHYSICAL ⁽¹⁾			
Density	1.22	g/cm ³	ASTM D792
Mold Shrinkage, flow, 24 hrs ⁽²⁾	0.7	%	ASTM D955
INJECTION MOLDING ⁽³⁾			
Drying Temperature	80	°C	
Drying Time	4	Hrs	
Melt Temperature	225 – 250	°C	
Front - Zone 3 Temperature	240 – 250	°C	
Middle - Zone 2 Temperature	215 – 225	°C	
Rear - Zone 1 Temperature	195 – 205	°C	
Mold Temperature	30 – 50	°C	

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CHEMISTRY THAT MATTERS[™]



PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Back Pressure	0.2 – 0.3	MPa	
Screw Speed	30 – 60	rpm	

- (1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.
- (2) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.
- (3) Injection Molding parameters are only mentioned as general guidelines. These may not apply or may need adjustment in specific situations such as low shot sizes, large part molding, thin wall molding and gas-assist molding.

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