LNP™ THERMOCOMP™ Compound MFB22EXJ

DESCRIPTION

LNP THERMOCOMP MFB22EXJ compound is based on Polypropylene (PP) resin containing 10% glass fiber and 10% glass bead. Added features of this grade include: Easy Molding, Low Extractables, Healthcare, Food Contact compliant.

GENERAL INFORMATION	
Features	Good Processability, Food contact, Healthcare/Formula lock, High stiffness/Strength, No PFAS intentionally added
Fillers	Glass Bead, Glass Fiber (Total fluorine >50ppm only from inorganic fluorine)
Polymer Types	Polypropylene, Unspecified (PP, Unspecified)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Building and Construction	Water Management
Consumer	Home Appliances
Hygiene and Healthcare	Pharmaceutical Packaging and Drug Delivery, Surgical devices, General Healthcare, Patient Testing
Packaging	Industrial Packaging, Food & Beverage

TYPICAL PROPERTY VALUES

Revision 20260904

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL [1]			
Tensile Stress, yld, Type I, 5 mm/min	34	MPa	ASTM D638
Tensile Stress, brk, Type I, 5 mm/min	30	MPa	ASTM D638
Tensile Strain, yld, Type I, 5 mm/min	3.9	%	ASTM D638
Tensile Strain, brk, Type I, 5 mm/min	6.7	%	ASTM D638
Tensile Modulus, 5 mm/min	4080	MPa	ASTM D638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	50	MPa	ASTM D790
Flexural Modulus, 1.3 mm/min, 50 mm span	2970	MPa	ASTM D790
IMPACT [1]			
Izod Impact, notched, 23°C	39	J/m	ASTM D256
THERMAL [1]			
HDT, 1.82 MPa, 3.2mm, unannealed	100	°C	ASTM D648
PHYSICAL [1]			
Density	1.05	g/cm³	ASTM D792
Melt Flow Rate			
210°C/5 kgf	12 – 20	g/10 min	ASTM D1238
INJECTION MOLDING [2]			
Screw Speed	30 – 60	rpm	
Back Pressure	0.2 – 0.3	MPa	
Mold Temperature	30 – 50	°C	
Rear - Zone 1 Temperature	195 – 205	°C	

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PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Middle - Zone 2 Temperature	215 – 225	°C	
Front - Zone 3 Temperature	240 – 250	°C	
Melt Temperature	225 – 250	°C	
Drying Time	4	Hrs	
Drying Temperature	80	°C	

(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) 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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