



LNP™ THERMOCOMP™ Compound MFB429

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound MFX-1006 FR MG

Product reorder name: MFB429

LNP THERMOCOMP MFB429 is a compound based on Polypropylene resin containing 10% Glass Fiber, 20% Glass Bead. Added features of this material include: Chemically Coupled, Flame Retardant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	420	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.6	%	ASTM D 638
Tensile Modulus, 50 mm/min	56900	kgf/cm ²	ASTM D 638
Flexural Stress	700	kgf/cm ²	ASTM D 790
Flexural Modulus	42100	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	27	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	130	°C	ASTM D 648
PHYSICAL			
Density	1.48	g/cm ³	ASTM D 792



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
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
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm