



LNP™ THERMOCOMP™ Compound MX06403
Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound MF-1004 HS UV HP
Product reorder name: MX06403

LNP THERMOCOMP MX06403 is a compound based on Polypropylene resin containing 20% Glass Fiber. Added features of this material include: Heat Stabilized, UV Stabilized.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	500	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	3 - 4	%	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	670	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	31600	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	29	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	140	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.04	-	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.1	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.5 - 0.6	%	ASTM D 955





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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

