



LNP™ THERMOCOMP™ Compound MF001AS
Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound MF-1001 HS
Product reorder name: MF001AS

LNP THERMOCOMP MF001AS is a compound based on Polypropylene resin containing 5% Glass Fiber. Added features of this material include: Heat Stabilized.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	400	kgf/cm ²	ASTM D 638
Tensile Strain, break	4.9	%	ASTM D 638
Tensile Modulus, 50 mm/min	23300	kgf/cm ²	ASTM D 638
Flexural Stress	560	kgf/cm ²	ASTM D 790
Flexural Modulus	22000	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	43	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	3	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	95	°C	ASTM D 648
PHYSICAL			
Density	0.94	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	1	%	ASTM D 955





LNP™ THERMOCOMP™ Compound MF001AS
Americas: COMMERCIAL

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

