



LNP™ THERMOCOMP™ Compound MX00709

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound MF-1004 HS UV HP

Product reorder name: MX00709

LNP THERMOCOMP MX00709 is a compound based on Polypropylene resin containing 20% Glass Fiber. Added features of this grade are: Heat Stabilized, UV Stabilized.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	770	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	2.7	%	ASTM D 638
Tensile Modulus, 50 mm/min	80100	kgf/cm ²	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	1250	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	63000	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	10	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	151	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.15	-	ASTM D 792



LNP™ THERMOCOMP™ Compound MX00709

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