



LNP™ THERMOCOMP™ Compound RX10405H

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound RX10405H

Product reorder name: RX10405H

LNP THERMOCOMP RX10405H is a compound based on Nylon 66 resin containing Carbon Fiber. Added feature of this material is: Healthcare.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	2810	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	1.6	%	ASTM D 638
Tensile Modulus, 5 mm/min	316100	kgf/cm ²	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	3930	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	248800	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	256	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.33	-	ASTM D 792
ELECTRICAL			
Surface Resistivity	2.E+00	Ohm	ASTM D 257



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15 - 0.25	%
Melt Temperature	280 - 305	°C
Front - Zone 3 Temperature	295 - 305	°C
Middle - Zone 2 Temperature	280 - 295	°C
Rear - Zone 1 Temperature	265 - 275	°C
Mold Temperature	95 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm