



LNP™ THERMOCOMP™ Compound UX05504

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound UF-1007 HS S

Product reorder name: UX05504

LNP THERMOCOMP™ UX05504 is a compound based on Polyphthalamide resin containing 35% Glass Fiber. Added feature of this material is: Heat Stabilized.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	12	MPa	ISO 527
Tensile Stress, break	164	MPa	ISO 527
Tensile Strain, break	2	%	ISO 527
Flexural Stress	295	MPa	ISO 178
Flexural Modulus	10000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	39	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	7	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	260	°C	ISO 75/Af
PHYSICAL			
Density	1.44	g/cm ³	ISO 1183



LNP™ THERMOCOMP™ Compound UX05504

Americas: COMMERCIAL

PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Maximum Moisture Content	0.15	%
Melt Temperature	315 - 330	°C
Front - Zone 3 Temperature	325 - 340	°C
Middle - Zone 2 Temperature	315 - 325	°C
Rear - Zone 1 Temperature	310 - 320	°C
Mold Temperature	140 - 165	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm