



LNP™ THERMOCOMP™ Compound UX06032

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound UX06032-BK83015

Product reorder name: UX06032

LNP* THERMOCOMP* UX06032 is a compound based on Polyphthalamide resin containing Glass Fiber, Flame Retardant. Added features of this material include: Flame Retardant, Non-Brominated & Non-Chlorinated Flame Retardant, Heat Stabilized.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	130	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2.1	%	ISO 527
Tensile Modulus, 1 mm/min	11400	MPa	ISO 527
Flexural Stress, break, 2 mm/min	200	MPa	ISO 178
Flexural Modulus, 2 mm/min	9900	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	40	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m ²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	2.1E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	5.4E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	275	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	258	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage on Tensile Bar, flow (2) (5)	0.2 - 0.3	%	SABIC Method
Density	1.46	g/cm ³	ISO 1183
Water Absorption, 23°C/24hrs	0.23	%	ISO 62-1
ELECTRICAL			
Comparative Tracking Index	600	V	IEC 60112
FLAME CHARACTERISTICS			
UL Recognized, 94V-0 Flame Class Rating (3)	0.8	mm	UL 94
Glow Wire Flammability Index 960°C, passes at	1.5	mm	IEC 60695-2-12
Glow Wire Ignitability Temperature, 0.8 mm	825	°C	IEC 60695-2-13
Glow Wire Ignitability Temperature, 1.6 mm	825	°C	IEC 60695-2-13
Glow Wire Ignitability Temperature, 3.0 mm	850	°C	IEC 60695-2-13



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	120 - 140	°C
Drying Time	4 - 6	hrs
Melt Temperature	305 - 315	°C
Front - Zone 3 Temperature	295 - 315	°C
Middle - Zone 2 Temperature	290 - 310	°C
Rear - Zone 1 Temperature	280 - 300	°C
Mold Temperature	130 - 150	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	40 - 80	rpm