



LNP™ THERMOCOMP™ Compound UX06032-WH9E041

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound UX06032-WH9E041

Product reorder name: UX06032-WH9E041

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. Custom color white.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	93	MPa	ISO 527
Tensile Strain, break, 5 mm/min	1.5	%	ISO 527
Tensile Modulus, 1 mm/min	11100	MPa	ISO 527
Flexural Stress, break, 2 mm/min	140	MPa	ISO 178
Flexural Modulus, 2 mm/min	9600	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	20	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	4	kJ/m ²	ISO 180/1A
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	265	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage on Tensile Bar, flow (2) (5)	0.1 - 0.3	%	SABIC Method
Density	1.51	g/cm ³	ISO 1183
Water Absorption, 23°C/24hrs	0.5	%	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	110 - 120	°C
Drying Time	3 - 5	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