

LNP* Thermocomp* Compound ZF406XXX

Asia Pacific: COMMERCIAL

Also known as: LNP* Thermocomp* Compound HT SOLDER ZF-1006 FR ECO

Product reorder name: ZF406XXX

LNP THERMOCOMP* ZF406XXX is a compound based on PPO Blend resin containing Flame Retardant, Glass Fiber. Added features of this material include: Flame Retardant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, break	95	MPa	ASTM D 638
Tensile Strain, break	0.9	%	ASTM D 638
Tensile Modulus, 50 mm/min	11530	MPa	ASTM D 638
Flexural Stress	199	MPa	ASTM D 790
Flexural Modulus	11450	MPa	ASTM D 790
Tensile Stress, break	119	MPa	ISO 527
Tensile Strain, break	1.2	%	ISO 527
Tensile Modulus, 1 mm/min	11690	MPa	ISO 527
Flexural Stress	192	MPa	ISO 178
Flexural Modulus	9900	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	523	J/m	ASTM D 4812
Izod Impact, notched, 23°C	80	J/m	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	29	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	7	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	263	°C	ASTM D 648
CTE, -40°C to 40°C, flow	1.98E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	5.76E-05	1/°C	ASTM E 831
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	262	°C	ISO 75/Af
PHYSICAL			
Density	1.54	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.1 - 0.3	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.5 - 0.7	%	ASTM D 955

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PHYSICAL			
Mold Shrinkage, flow, 24 hrs	0.1 - 0.3	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.5 - 0.7	%	ISO 294
Density	1.53	g/cm ³	ISO 1183
FLAME CHARACTERISTICS			
UL Compliant, 94V-0 Flame Class Rating (3)(4)	1.55	mm	UL 94 by GE