

LNP* Thermocomp* Compound ZF006

Americas: COMMERCIAL

Also known as: ZF-1006
Product Reorder Name: ZF006

LNP* Thermocomp* ZF006 is a compound based on PPE+PS Blend resin containing Glass Fiber.

Property

TYPICAL PROPERTIES ⁽¹⁾			
	Value	Unit	Standard
MECHANICAL			
Tensile Stress, break	108	MPa	ASTM D 638
Tensile Strain, break	1.6	%	ASTM D 638
Tensile Modulus, 50 mm/min	9870	MPa	ASTM D 638
Flexural Stress	165	MPa	ASTM D 790
Flexural Modulus	8900	MPa	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	528	J/m	ASTM D 4812
Izod Impact, notched, 23°C	117	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	135	°C	ASTM D 648
PHYSICAL			
Density	1.31	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs	0.3	%	ASTM D 955

Source GMD, last updated:09/24/2008

Processing

Parameter	Value	Unit
Injection Molding		
Drying Temperature	120	°C
Drying Time	4	hrs
Melt Temperature	300 - 305	°C
Front - Zone 3 Temperature	300 - 310	°C
Middle - Zone 2 Temperature	290 - 300	°C
Rear - Zone 1 Temperature	275 - 290	°C
Mold Temperature	80 - 110	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

Source GMD, last updated:09/24/2008

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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