

LNP* Thermocomp* Compound OFJ66

Asia Pacific: COMMERCIAL

Also known as: LNP* Thermocomp* Compound OFM-3166

Product reorder name: OFJ66

LNP* Thermocomp* OFJ66 is a compound based on PPS - Linear resin containing Glass Fiber, Mineral. Added features of this material include: Low Warpage.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, break	1370	kgf/cm ²	ASTM D 638
Tensile Strain, break	1.2	%	ASTM D 638
Flexural Stress	2030	kgf/cm ²	ASTM D 790
Flexural Modulus	195900	kgf/cm ²	ASTM D 790
Tensile Stress, break	130	MPa	ISO 527
Tensile Strain, break	1.2	%	ISO 527
Tensile Modulus, 1 mm/min	19000	MPa	ISO 527
Flexural Stress	210	MPa	ISO 178
Flexural Modulus	18800	MPa	ISO 178
IMPACT			
Izod Impact, notched, 23°C	4	cm-kgf/cm	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	20	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	6	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	265	°C	ASTM D 648
CTE, -40°C to 40°C, flow	1.9E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	3.07E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	1.9E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	2.4E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	270	°C	ISO 75/Af
PHYSICAL			
Density	1.96	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.03	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.1 - 0.2	%	ASTM D 955

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PHYSICAL			
Mold Shrinkage, xflow, 24 hrs	0.3 - 0.5	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	1	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	3	%	ISO 294
Density	1.95	g/cm ³	ISO 1183

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PROCESSING PARAMETERS	TYPICAL VALUE	UNIT
Injection Molding		
Drying Temperature	120 - 150	°C
Drying Time	4	hrs
Melt Temperature	315 - 320	°C
Front - Zone 3 Temperature	330 - 345	°C
Middle - Zone 2 Temperature	320 - 330	°C
Rear - Zone 1 Temperature	305 - 315	°C
Mold Temperature	140 - 165	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm