



LNP™ THERMOCOMP™ Compound ZFM62P

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound ZFM-3362 EP

Product reorder name: ZFM62P

LNP THERMOCOMP ZFM62P is a compound based on PPO resin containing 10% Glass Fiber, 30% Mical. Added feature of this material is: Exceptional Processing.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	770	kgf/cm ²	ASTM D 638
Tensile Strain, break	1.4	%	ASTM D 638
Tensile Modulus, 50 mm/min	91500	kgf/cm ²	ASTM D 638
Flexural Stress	1260	kgf/cm ²	ASTM D 790
Flexural Modulus	89100	kgf/cm ²	ASTM D 790
Tensile Stress, break	66	MPa	ISO 527
Tensile Strain, break	1	%	ISO 527
Tensile Modulus, 1 mm/min	8540	MPa	ISO 527
Flexural Stress	120	MPa	ISO 178
Flexural Modulus	8690	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	19	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	3	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	72	cm-kgf	ASTM D 3763
Multiaxial Impact	14	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	12	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	3	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	137	°C	ASTM D 648
CTE, -40°C to 40°C, flow	3.74E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	3.52E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	3.74E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	3.53E-05	1/°C	ISO 11359-2



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TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
THERMAL			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	139	°C	ISO 75/Af
PHYSICAL			
Density	1.42	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.08	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.5	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.5	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs (5)	0.45	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.5	%	ISO 294
Density	1.42	g/cm ³	ISO 1183
Moisture Absorption (23°C / 50% RH)	0.1	%	ISO 62
FLAME CHARACTERISTICS			
UL Compliant, 94HB Flame Class Rating (3)(4)	1.5	mm	UL 94 by SABIC-IP



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PROCESSING PARAMETERS	TYPICAL 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