



LNP™ THERMOCOMP™ Compound OF008E

Americas: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound OF-1008 EM

Product reorder name: OF008E

LNP THERMOCOMP OF008E is a compound based on PPS - Linear resin containing 40% Glass Fiber. Added features of this material include: Easy Molding.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	1820	kgf/cm ²	ASTM D 638
Tensile Strain, break	1.7	%	ASTM D 638
Flexural Stress	2530	kgf/cm ²	ASTM D 790
Flexural Modulus	145400	kgf/cm ²	ASTM D 790
Tensile Stress, break	160	MPa	ISO 527
Tensile Strain, break	1.2	%	ISO 527
Flexural Stress	190	MPa	ISO 178
Flexural Modulus	13400	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	59	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	10	cm-kgf/cm	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	21	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	261	°C	ASTM D 648
CTE, -40°C to 40°C, flow	2.6E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	272	°C	ISO 75/Af
PHYSICAL			
Density	1.68	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.2	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.8	%	ASTM D 955
Wear Factor Washer	240	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.66	-	ASTM D 3702 Modified
Static COF	0.87	-	ASTM D 3702 Modified



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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