



LNP™ THERMOCOMP™ Compound ZX08005

Asia Pacific: COMMERCIAL

Also known as: LNP™ THERMOCOMP™ Compound ZX08005

Product reorder name: ZX08005

LNP THERMOCOMP ZX08005 is a Compound based on PPE + PS Blend resin, containing Mineral. Added features include: Improved Dielectric Properties.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 5 mm/min	55	MPa	ISO 527
Tensile Strain, break, 5 mm/min	4.4	%	ISO 527
Tensile Modulus, 1 mm/min	3400	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	105	MPa	ISO 178
Flexural Modulus, 2 mm/min	4600	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	17	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	140	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	130	°C	ASTM D 648
PHYSICAL			
Density	2.07	g/cm ³	ISO 1183
ELECTRICAL			
Relative Permittivity, 100 MHz	6.58	-	IEC 60250
Relative Permittivity, 500 MHz	6.47	-	IEC 60250
Relative Permittivity, 1 GHz	6.16	-	IEC 60250
Dissipation Factor, 500 MHz	0.001	-	IEC 60250
Dissipation Factor, 1 GHz	0.001	-	IEC 60250
Dissipation Factor, 100 MHz	0.001	-	IEC 60250



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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