LNP™ THERMOCOMP™ COMPOUND ZX08005

ZX08005
REGION ASIA

DESCRIPTION

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

TYPICAL PROPERTY VALUES

Revision 20181231

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
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/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m²	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/cm³	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
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	

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