

Product Texts

LNP THERMOCOMP DZ004 compound is based on Polycarbonate (PC) resin containing 20% milled glass.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.3	mm/mm	ASTM D 955

Mechanical properties

	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3700	MPa	ASTM D 638
Tensile Strength at Break	60	MPa	ASTM D 638
Elongation at Break	4.5	%	ASTM D 638
Flexural Modulus	3500	MPa	ASTM D 790
Flexural Strength	96	MPa	ASTM D 790
Izod Impact notched, 1/8 in	58	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1140	J/m	ASTM D 256

Thermal properties

	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	136	°C	ASTM D 648

Electrical properties

	Value	Unit	Test Standard
ASTM Data			
Dissipation Factor, 1 MHz	0.0083	-	ASTM D 150
Surface Resistivity	3.87E13	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties

	Value	Unit	Test Standard
Density	1410	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	305 - 325	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	295 - 305	°C	-
Zone 2	310 - 320	°C	-
Zone 3	320 - 330	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific