

Product Texts

LNP THERMOCOMP FX10009 compound is based on Polyethylene (PE) resin containing proprietary fillers. Added features of this grade include: Improved Dielectric Properties.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	12.5	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2550	MPa	ISO 527
Stress at break	20	MPa	ISO 527
Strain at break	1.2	%	ISO 527
Flexural modulus	2750	MPa	ISO 178
Izod impact strength, +23°C, 4mm	5.5	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	3.5	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	60	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	100	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	150	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	2500	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.03	%	-
Melt temperature	210 - 215	°C	-
Mold temperature	15 - 55	°C	-
Zone 1	190 - 200	°C	-
Zone 2	200 - 210	°C	-
Zone 3	205 - 215	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive