

Product Texts

LNP THERMOCOMP DX09309 compound is based on Polycarbonate (PC) resin containing proprietary fillers. Added features of this grade include: High Dielectric Constant.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	20	cm ³ /10min	ISO 1133
Temperature	280	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	27	MPa	ASTM D 638
Elongation at Break	4.2	%	ASTM D 638
Flexural Modulus	2490	MPa	ASTM D 790
Flexural Strength	60	MPa	ASTM D 790
Izod Impact notched, 1/8 in	68	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	97	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	2240	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 110	°C	-
Pre-drying - Time	3 - 5	h	-
Melt temperature	280 - 320	°C	-
Mold temperature	90 - 120	°C	-
Zone 1	250 - 280	°C	-
Zone 2	280 - 320	°C	-
Zone 3	280 - 320	°C	-
Screw speed	30 - 100	rpm	-
Back pressure	1 - 5	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive