

Product Texts

LNP THERMOCOMP ZX08309 compound is based on Polyphenylene Ether / Polystyrene (PPE/PS) blend containing proprietary fillers. Added features of this grade include: High Dielectric Constant and Low Loss Tangent.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	11	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	5	kg	-
ASTM Data			
Mold Shrinkage, MD	0.7	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.65	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Flexural modulus	3500	MPa	ISO 178
ASTM Data			
Izod Impact notched, 1/8 in	60	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	134	°C	ASTM D 648
DTUL @ 264 psi	122	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1660	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	105	°C	-
Pre-drying - Time	3 - 5	h	-
Melt temperature	295 - 305	°C	-
Mold temperature	90	°C	-
Zone 1	280 - 285	°C	-
Zone 2	290 - 295	°C	-
Zone 3	300 - 305	°C	-
Screw speed	≥100	rpm	-
Back pressure	≥9	MPa	-

Characteristics

Processing

Injection Molding

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific