

Product Texts

LNP COLORCOMP W10009I compound is based on Polybutylene Terephthalate (PBT) resin. Added features of this grade include: Flame Retardant, Impact Modified.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1900	MPa	ISO 527
Yield stress	42	MPa	ISO 527
Yield strain	4.2	%	ISO 527
Flexural modulus	1900	MPa	ISO 178
Izod impact strength, +23°C, 4mm	125	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	7	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	201	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1390	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	245 - 260	°C	-
Mold temperature	80 - 100	°C	-
Zone 1	230 - 245	°C	-
Zone 2	245 - 255	°C	-
Zone 3	250 - 260	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Applications

Automotive

Additives

Flame retarding agent

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant, High impact or impact modified