

Product Texts

LNP THERMOCOMP RB00A compound is based on Nylon 6/6 resin containing 50% glass bead.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	6200	MPa	ISO 527
Stress at break	85	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Flexural modulus	6000	MPa	ISO 178
Charpy impact strength, +23°C	30	kJ/m ²	ISO 179/1eU
Izod notched impact strength, +23°C, 4mm	5	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, A	255	°C	ISO 306
Coeff. of linear therm. expansion, parallel	30	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	30	E-6/K	ISO 11359-1/-2

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	500	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	4.5	%	Sim. to ISO 62
Density	1560	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	75 - 85	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.2	%	-
Melt temperature	260 - 290	°C	-
Mold temperature	70 - 120	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	270 - 290	°C	-
Zone 2	260 - 280	°C	-
Zone 3	260 - 280	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific