

Product Texts

LNP THERMOCOMP YF006A compound is based on Thermoplastic Polyester Elastomer (TPE) resin containing 30% glass fiber.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3200	MPa	ISO 527
Yield stress	62	MPa	ISO 527
Yield strain	8.3	%	ISO 527
Stress at break	60	MPa	ISO 527
Flexural modulus	2900	MPa	ISO 178
Izod impact strength, +23°C, 4mm	80	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	25	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	159	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	195	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	19	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	188	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1430	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	≤0.1	%	-
Melt temperature	215 - 240	°C	-
Mold temperature	25 - 55	°C	-
Zone 1	180 - 195	°C	-
Zone 2	205 - 215	°C	-
Zone 3	225 - 240	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific