

Product Texts

LNP THERMOCOMP PF006 compound is based on Nylon 6 resin containing 30% glass fiber.

UL Yellow Card Link [E207780-103093422](https://www.ul.com/yellowcard/E207780-103093422)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8500	MPa	ISO 527
Stress at break	165	MPa	ISO 527
Strain at break	4	%	ISO 527
Flexural modulus	8100	MPa	ISO 178
Flexural strength	225	MPa	ISO 178
Izod impact strength, +23°C	85	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	15	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	203	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

Other properties	Value	Unit	Test Standard
Density	1370	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	≤0.25	%	-
Melt temperature	255 - 265	°C	-
Mold temperature	55 - 95	°C	-
Zone 1	245 - 255	°C	-
Zone 2	250 - 260	°C	-
Zone 3	250 - 260	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific