

**Product Texts**

LNP THERMOCOMP JF006 compound is based on Polyethersulfone (PES) resin containing 30% glass fiber.

UL Yellow Card Link [E45329-101282591](https://www.ul.com/yellow-card/E45329-101282591)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	12.5	cm <sup>3</sup> /10min	ISO 1133
Temperature	345	°C	-
Load	10	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Stress at break	142	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus	8200	MPa	ISO 178
Izod impact strength, +23°C, 4mm	40	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	9	kJ/m <sup>2</sup>	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	210	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	30	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.5	mm	-

Other properties	Value	Unit	Test Standard
Density	1580	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	355 - 370	°C	-
Mold temperature	140 - 150	°C	-
Zone 1	345 - 355	°C	-
Zone 2	360 - 370	°C	-
Zone 3	370 - 380	°C	-
Screw speed	60 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe