

**LNP™ THERMOCOMP™ Compound OF006A - Europe**

PPS-GF30

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

LNP THERMOCOMP OF006A compound is based on branched Polyphenylene Sulfide (PPS) resin containing 30% glass fiber.

UL Yellow Card Link [E45329-101344627](https://www.ul.com/yellowcard/E45329-101344627)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>11100</b>	MPa	ISO 527
Stress at break	<b>157</b>	MPa	ISO 527
Strain at break	<b>1.9</b>	%	ISO 527
Flexural modulus	<b>10800</b>	MPa	ISO 178

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>263</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>19</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>52</b>	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>0.5</b>	mm	-
Burning behav. 5V at thickness h	<b>5VA</b>	class	IEC 60695-11-20
Thickness tested	<b>1.5</b>	mm	-

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

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>120 - 150</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Melt temperature	<b>315 - 320</b>	°C	-
Mold temperature	<b>140 - 165</b>	°C	-
Zone 1	<b>305 - 315</b>	°C	-
Zone 2	<b>320 - 330</b>	°C	-
Zone 3	<b>330 - 345</b>	°C	-
Screw speed	<b>30 - 60</b>	rpm	-
Back pressure	<b>0.2 - 0.3</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe