

**Product Texts**

LNP THERMOCOMP OC006 compound is based on linear Polyphenylene Sulfide (PPS) resin containing 30% carbon fiber. Added features of this grade include: Electrically Conductive.

UL Yellow Card Link [E207780-103093470](https://www.ul.com/yellowcard/E207780-103093470)

| <b>Mechanical properties</b>  | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|-------------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>              |              |             |                      |
| Tensile Modulus               | <b>23920</b> | MPa         | ASTM D 638           |
| Tensile Strength at Break     | <b>186</b>   | MPa         | ASTM D 638           |
| Elongation at Break           | <b>1.2</b>   | %           | ASTM D 638           |
| Flexural Modulus              | <b>21160</b> | MPa         | ASTM D 790           |
| Flexural Strength             | <b>282</b>   | MPa         | ASTM D 790           |
| Izod Impact notched, 1/8 in   | <b>74</b>    | J/m         | ASTM D 256           |
| Izod Impact unnotched, 1/8 in | <b>640</b>   | J/m         | ASTM D 256           |

| <b>Thermal properties</b>     | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|-------------------------------|--------------|-------------|----------------------|
| <b>ISO Data</b>               |              |             |                      |
| Burning behav. at thickness h | <b>V-0</b>   | class       | IEC 60695-11-10      |
| Thickness tested              | <b>1.0</b>   | mm          | -                    |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1430</b>  | kg/m <sup>3</sup> | ASTM D 792           |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Special Characteristics**

Increased electrical conductivity