

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 [E121562-101284689](https://www.ul.com/yellow-card/E121562-101284689)

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

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

Other properties	Value	Unit	Test Standard
Density	1430	kg/m ³	ASTM D 792

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

Characteristics**Processing**

Injection Molding

Regional Availability

North America

Special Characteristics

Increased electrical conductivity