

Product Texts

LNP THERMOCOMP LF006 compound is based on Polyetheretherketone (PEEK) resin containing 30% glass fiber.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	13100	MPa	ISO 527
Stress at break	175	MPa	ISO 527
Strain at break	1.9	%	ISO 527
Flexural modulus	12700	MPa	ISO 178
Flexural strength	263	MPa	ISO 178
Izod impact strength, +23°C, 4mm	57	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	11	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	13230	MPa	ASTM D 638
Tensile Strength at Break	176	MPa	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Flexural Modulus	10750	MPa	ASTM D 790
Flexural Strength	245	MPa	ASTM D 790
Izod Impact notched, 1/8 in	117	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	875	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	240	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	240	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	298	°C	ASTM D 648
DTUL @ 264 psi	298	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1530	kg/m ³	ISO 1183
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1540	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific