

**Product Texts**

LNP THERMOCOMP EX00781H is a compound is based on Polyetherimide (PEI) resin containing 20% glass fiber. Added features of this grade include: Healthcare.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	10	cm <sup>3</sup> /10min	ISO 1133
Temperature	340	°C	-
Load	5	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	12.3	g/10min	ASTM D 1238
Temperature	337	°C	-
Load	6.6	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	3250	MPa	ISO 527
Yield stress	91	MPa	ISO 527
Yield strain	5.4	%	ISO 527
Stress at break	89	MPa	ISO 527
Strain at break	6	%	ISO 527
Flexural modulus	3310	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	4	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	3320	MPa	ASTM D 638
Tensile Strength at Yield	91	MPa	ASTM D 638
Tensile Strength at Break	90	MPa	ASTM D 638
Elongation at Yield	5.9	%	ASTM D 638
Elongation at Break	5.3	%	ASTM D 638
Flexural Modulus	3150	MPa	ASTM D 790
Izod Impact notched, 1/8 in	37	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	189	°C	ISO 75-1/-2
Vicat softening temperature, 120°C/h 50N	213	°C	ISO 306
<b>ASTM Data</b>			
DTUL @ 264 psi	189	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1310	kg/m <sup>3</sup>	ISO 1183
Density	1310	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	360 - 400	°C	-
Mold temperature	140 - 180	°C	-
Zone 1	360 - 380	°C	-
Zone 2	370 - 390	°C	-
Zone 3	380 - 400	°C	-
Back pressure	0.3 - 0.7	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Regional Availability**

Asia Pacific