

Product Texts

LNP THERMOCOMP WF006H compound is based on Polybutylene Terephthalate (PBT) resin containing 30% glass fiber. Added features of this grade include: Healthcare.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.6	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	10440	MPa	ASTM D 638
Tensile Strength at Break	119	MPa	ASTM D 638
Elongation at Break	2.7	%	ASTM D 638
Flexural Modulus	9440	MPa	ASTM D 790
Flexural Strength	186	MPa	ASTM D 790
Izod Impact notched, 1/8 in	69	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	713	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	208	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1620	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	240 - 265	°C	-
Mold temperature	80 - 100	°C	-
Zone 1	220 - 230	°C	-
Zone 2	245 - 255	°C	-
Zone 3	260 - 270	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific