

Product Texts

LNP THERMOCOMP* IF007 is a compound based on Nylon 6/12 resin containing 35% Glass Fiber.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	8890	MPa	ASTM D 638
Tensile Strength at Break	150	MPa	ASTM D 638
Elongation at Yield	3	%	ASTM D 638
Flexural Modulus	8270	MPa	ASTM D 790
Flexural Strength	227	MPa	ASTM D 790
Izod Impact notched, 1/8 in	85	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	801	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	198	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1300	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.2	%	-
Melt temperature	270 - 275	°C	-
Mold temperature	65 - 95	°C	-
Zone 1	255 - 265	°C	-
Zone 2	260 - 270	°C	-
Zone 3	270 - 280	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific