

Product Texts

LNP THERMOCOMP QF008 compound is based on Nylon 6/10 resin containing 40% glass fiber.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at break	183	MPa	ISO 527
Flexural modulus	10800	MPa	ISO 178
Izod notched impact strength, +23°C, 4mm	15	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	12420	MPa	ASTM D 638
Tensile Strength at Break	171	MPa	ASTM D 638
Elongation at Break	3.3	%	ASTM D 638
Flexural Modulus	10790	MPa	ASTM D 790
Flexural Strength	255	MPa	ASTM D 790
Izod Impact notched, 1/8 in	138	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1120	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	214	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	219	°C	ASTM D 648
DTUL @ 264 psi	207	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1420	kg/m ³	ISO 1183
Density	1410	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	80 - 95	°C	-
Zone 1	250 - 260	°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