

Product Texts

LNP THERMOCOMP RF008ESZ compound is based on Nylon 6/6 resin containing 40% glass fiber. Added features of this grade include: Easy Molding, Heat Stabilized.

UL Yellow Card Link [E121562-101281596](https://www.ulprospector.com/usa/Products/121562-101281596)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	12900	MPa	ISO 527
Stress at break	168	MPa	ISO 527
Izod notched impact strength, +23°C, 4mm	7	kJ/m ²	ISO 180/1A
ASTM Data			
Rockwell Hardness	M 92	-	ASTM D 785
Izod Impact notched, 1/8 in	94	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	224	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

Other properties	Value	Unit	Test Standard
Density	1490	kg/m ³	ISO 1183
Water Absorption, 24hr	0.98	%	ASTM D 570
Density	1490	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	≤0.25	%	-
Melt temperature	280 - 305	°C	-
Mold temperature	95 - 110	°C	-
Zone 1	265 - 275	°C	-
Zone 2	280 - 295	°C	-
Zone 3	295 - 305	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific