

Product Texts

LNP THERMOCOMP RF009S compound is based on Nylon 6/6 resin containing 45% glass fiber. Added features of this grade include: Heat Stabilized.

UL Yellow Card Link [E207780-103093596](https://www.ulprospector.com/PA66-GF45)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.3	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	16560	MPa	ASTM D 638
Tensile Strength at Break	222	MPa	ASTM D 638
Elongation at Break	3	%	ASTM D 638
Flexural Modulus	13200	MPa	ASTM D 790
Flexural Strength	330	MPa	ASTM D 790
Izod Impact notched, 1/8 in	162	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	1400	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.7	mm	-
ASTM Data			
DTUL @ 264 psi	253	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1530	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

Asia Pacific