

## SABIC Innovative Plastics LNP THERMOCOMP QF00A PA 6/10 (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Nylon 610

**Material Notes:**

LNP\* Thermocomp\* QF00A is a compound based on Nylon 6/10 resin containing Glass Fiber.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-QF00A-PA-610-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-QF00A-PA-610-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	on Tensile Bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	180 MPa	26100 psi	5 mm/min; ISO 527
Elongation at Break	3.7 %	3.7 %	5 mm/min; ISO 527
Tensile Modulus	10.9 GPa	1580 ksi	1 mm/min; ISO 527
Flexural Yield Strength	265 MPa	38400 psi	2 mm/min; ISO 178
Flexural Modulus	10.6 GPa	1540 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	19.0 kJ/m <sup>2</sup>	9.04 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	95.0 kJ/m <sup>2</sup>	45.2 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	17.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	9.44 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	ISO 11359-2
CTE, linear, Transverse to Flow	93.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$	51.7 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	201 $\text{Å}^\circ\text{C}$	394 $\text{Å}^\circ\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af

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