

**SABIC Innovative Plastics LNP THERMOCOMP KF004AL Acetal Homopolymer**

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Homopolymer, Glass Fiber Reinforced

**Material Notes:**

LNP\* THERMOCOMP\* KF004AL is a compound based on Acetal Homopolymer resin containing 20% Glass Fiber. Added features of this material include: Low Extractible.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-THERMOCOMP-KF004AL-Acetal-Homopolymer.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-KF004AL-Acetal-Homopolymer.php)

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 cm/cm @Time 86400 sec	0.0040 in/in @Time 24.0 hour	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	60.0 MPa	8700 psi	ASTM D638
Elongation at Break	3.7 %	3.7 %	ASTM D638
Tensile Modulus	8.61 GPa	1250 ksi	50 mm/min; ASTM D638
Flexural Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	4.21 J/cm	7.89 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	149 Â°C @Thickness 3.20 mm	300 Â°F @Thickness 0.126 in	unannealed; ASTM D648

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