

## SABIC Innovative Plastics LNP Lubricomp KFL34 Acetal Copolymer (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer + Glass/PTFE

### Material Notes:

LNP\* Lubricomp\* KFL34 is a compound based on Acetal Copolymer resin containing Glass Fiber, PTFE. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-LNP-Lubricomp-KFL34-Acetal-Copolymer-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Lubricomp-KFL34-Acetal-Copolymer-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.63 g/cc	0.0589 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	on tensile bar; SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	97.0 MPa	14100 psi	5 mm/min; ISO 527
Elongation at Break	2.5 %	2.5 %	5 mm/min; ISO 527
Tensile Modulus	5.90 GPa	856 ksi	1 mm/min; ISO 527
Flexural Strength	119 MPa	17300 psi	2 mm/min; ISO 178
Flexural Modulus	5.60 GPa	812 ksi	2 mm/min; ISO 178
Izod Impact, Unnotched (ISO)	20.0 kJ/m <sup>2</sup> @Temperature 23.0 Â°C	9.52 ft-lb/in <sup>2</sup> @Temperature 73.4 Â°F	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	52.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	28.9 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
CTE, linear, Transverse to Flow	112 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C	62.2 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	160 Â°C	320 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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