

## Vyncolit TX10916/15 Graphite Filled Novolac Phenolic

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic

### Material Notes:

Novolac resin based, graphite filled compound used for low friction applications where dimensional stability is required  
Information provided by Sumitomo Bakelite North America, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Vyncolit-TX1091615-Graphite-Filled-Novolac-Phenolic.php](http://www.lookpolymers.com/polymer_Vyncolit-TX1091615-Graphite-Filled-Novolac-Phenolic.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.860 g/cc	0.0311 lb/in <sup>3</sup>	ISO 60
Density	1.69 g/cc	0.0611 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.050 %	0.050 %	ISO 62
Linear Mold Shrinkage	0.0043 cm/cm	0.0043 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	56.0 MPa	8120 psi	ISO 527-1
Elongation at Break	0.38 %	0.38 %	ISO 527-1
Tensile Modulus	18.0 GPa	2610 ksi	ISO 527-1
Flexural Strength	93.0 MPa	13500 psi	ISO 178
Flexural Modulus	16.0 GPa	2320 ksi	ISO 178
Compressive Strength	166 MPa	24100 psi	ISO 604
Charpy Impact Unnotched	0.360 J/cm <sup>2</sup>	1.71 ft-lb/in <sup>2</sup>	ISO 179-1
Charpy Impact, Notched	0.140 J/cm <sup>2</sup>	0.666 ft-lb/in <sup>2</sup>	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	14.0 μm/m-°C	7.78 μin/in-°F	TMA
CTE, linear, Transverse to Flow	32.0 μm/m-°C	17.8 μin/in-°F	TMA
Deflection Temperature at 1.8 MPa (264 psi)	>= 175 °C	>= 347 °F	ISO 75 Af
Shrinkage	0.090 %	0.090 %	Post Shrinkage; ISO 2577

Descriptive Properties	Value	Comments
Color	Black	

Descriptive Properties	Value	Comments
Molding Method	Compression	
	Injection	
	Transfer	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China