

## Haveg 41NA Phenolic; Silicate Filled

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

**Material Notes:**

A proprietary thermoset plastic consisting of a phenol-formaldehyde resin and non-asbestos silicate fillers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Haveg-41NA-Phenolic-Silicate-Filled.php](http://www.lookpolymers.com/polymer_Haveg-41NA-Phenolic-Silicate-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.72 g/cc	0.0621 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	64	64	
Tensile Strength, Ultimate	38.0 MPa	5510 psi	
Elongation at Break	0.66 %	0.66 %	
Tensile Modulus	9.45 GPa	1370 ksi	
Flexural Yield Strength	67.8 MPa	9830 psi	
Compressive Yield Strength	133 MPa	19300 psi	
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear	15.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	8.33 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 $\text{Å}^\circ\text{C}$	@Temperature 68.0 $\text{Å}^\circ\text{F}$	
Specific Heat Capacity	1.10 J/g $\cdot\text{Å}^\circ\text{C}$	0.263 BTU/lb $\cdot\text{Å}^\circ\text{F}$	
Thermal Conductivity	0.282 W/m-K	1.96 BTU-in/hr-ft $\text{Å}^2\cdot\text{Å}^\circ\text{F}$	

## Contact Songhan Plastic Technology Co.,Ltd.

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