

## KiON HTT 1800

Category : Fluid , Polymer , Thermoset

**Material Notes:**

**General Description**KiON HTT 1800 is a pale yellow, low viscosity liquid polysilazane-based coating resin that is specially designed for use in the formulation of heat-curable ceramic coatings capable of withstanding operating temperatures of 1800Â°F or above. KiON HTT 1800 is supplied as a 100% â€œsolidsâ€ liquid of low viscosity, and rapidly solidifies upon heating to 350-400Â°F. KiON HTT 1800 can be blended with a variety of pigments, such as metal powders (zinc, aluminum, stainless steel), ceramic powders (silicon carbide, aluminum oxide, silicon nitride), or the like. For ultra-high temperature formulations, the coated part is then heated to at least 850Â°F to promote conversion of the polymer to ceramic. Depending on the exact formulation, coating operating temperatures of 1800Â°F or above can be achieved.**Applications**High Temperature Coatings and Thermally Stable Corrosion Coatings**Information provided by KiON, A Clariant Business.**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_KiON-HTT-1800.php](http://www.lookpolymers.com/polymer_KiON-HTT-1800.php)

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/inÂ³	Liquid
Viscosity	80 cP @Temperature 19.0 Â°C	80 cP @Temperature 66.2 Â°F	

Thermal Properties	Metric	English	Comments
Flash Point	29.0 Â°C	84.2 Â°F	

Descriptive Properties	Value	Comments
%Resin	100% solids as liquid	
Appearance	Clear to pale yellow liquid	

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