

## **Technical Data Sheet**

MATERIAL:	Polydimethylsiloxane, dihydroxy terminated	
CATALOG NUMBER:	806	
CAS NUMBER:	70131-67-8	
DESCRIPTION:	Dihydroxy terminated homopolymer of dimethylsiloxane	
FORMULA:	(C <sub>2</sub> H <sub>6</sub> OSi) <sub>x</sub> H <sub>2</sub> O	
TYPICAL PROPERTIES:	Appearance: Approx Mw: Viscosity: Density: Functionality: Boiling point: Flash point: Solubility:	Liquid 36,000 [GPC] 2,000 cs 0.98 0.09 wt% > 204°C > 400°F THF, toluene, insoluble in water
GENERAL INFORMATION:	Terminal silanol groups render polydimethylsiloxanes susceptible to condensation under both mild acid and base conditions. They are intermediates for most room temperature vulcanizeable (RTV) silicones.	
STRUCTURE:	$HO - \left[ \begin{array}{c} CH_{3} \\ I \\ Si \\ HO \end{array} \right] O - \left[ \begin{array}{c} H_{3} \\ I \\ H_{3} \end{array} \right] O - \left[ \begin{array}{c} H_{3} \\ H \\ H \\ H_{3} \end{array} \right] O - \left[ \begin{array}{c} H_{3} \\ H \\ $	

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