

Technical Data Sheet

MATERIAL:	Polydimethylsiloxane, dihydroxy terminated	
CATALOG NUMBER:	806	
CAS NUMBER:	70131-67-8	
DESCRIPTION:	Dihydroxy terminated homopolymer of dimethylsiloxane	
FORMULA:	(C ₂ H ₆ OSi) _x H ₂ 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 \\ $	

Technical information and data regarding the composition, properties or use of the products described herein is believed reliable. However, no representation or warranty is made with respect thereto except as made by Sp² in writing at time of sale. Sp² cannot assume responsibility for any patent liability which may arise from the use of any product in a process, manner or formula not designed by Sp².