

Technical Data Sheet

MATERIAL:	Polydimethylsiloxane, dihydroxy terminated	
CATALOG NUMBER:	1011	
CAS NUMBER:	31692-79-2	
DESCRIPTION:	Dihydroxy terminated homopolymer of dimethylsiloxane	
FORMULA:	(C ₂ H ₆ OSi) _x H ₂ O	
TYPICAL PROPERTIES:	Appearance: Approx Mw: Refractive index: Viscosity: Density: Functionality: Solubility:	Liquid 4,000 n_D^{20} 1.402 100 cs 0.97 0.8 wt% 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 - - Si - O - H CH₃

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