



## Technical Data Sheet

<b>MATERIAL:</b>	Polydimethylsiloxane, dihydroxy terminated
<b>CATALOG NUMBER:</b>	1011
<b>CAS NUMBER:</b>	70131-67-8
<b>DESCRIPTION:</b>	Dihydroxy terminated homopolymer of dimethylsiloxane
<b>FORMULA:</b>	$(C_2H_6OSi)_xH_2O$

**TYPICAL PROPERTIES:**

Appearance:	Liquid
Approx Mw:	4,000
Refractive index:	$n_D^{20}$ 1.402
Viscosity:	100 cs
Density:	0.97
Functionality:	0.8 wt%
Solubility:	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:**