



## Technical Data Sheet

<b>MATERIAL:</b>	Polydimethylsiloxane, dihydroxy terminated
<b>CATALOG NUMBER:</b>	807
<b>CAS NUMBER:</b>	70131-67-8
<b>DESCRIPTION:</b>	Dihydroxy terminated homopolymer of dimethylsiloxane
<b>FORMULA:</b>	$(\text{C}_2\text{H}_6\text{OSi})_x\text{H}_2\text{O}$

**TYPICAL PROPERTIES:**

Appearance:	Viscous liquid
Approx Mw:	110,000 [GPC]
Viscosity:	50,000 cs
Density:	0.98
Functionality:	0.03 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:**