



Technical Data Sheet

MATERIAL:	Polydimethylsiloxane, dihydroxy terminated
CATALOG NUMBER:	1012
CAS NUMBER:	70131-67-8
DESCRIPTION:	Dihydroxy terminated homopolymer of dimethylsiloxane
FORMULA:	$(\text{C}_2\text{H}_6\text{OSi})_x\text{H}_2\text{O}$

TYPICAL PROPERTIES:

Appearance:	Liquid
Approx Mw:	18,000
Refractive index:	n_D^{20} 1.403
Viscosity:	700 cs
Density:	0.97
Functionality:	0.2 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.
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STRUCTURE: