



Technical Data Sheet

MATERIAL:	Polydimethylsiloxane, dihydroxy terminated
CATALOG NUMBER:	1012
CAS NUMBER:	31692-79-2
DESCRIPTION:	Dihydroxy terminated homopolymer of dimethylsiloxane
FORMULA:	$(C_2H_6OSi)_xH_2O$

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.

STRUCTURE: