



Technical Data Sheet

MATERIAL:	Polydimethylsiloxane, dihydroxy terminated
CATALOG NUMBER:	870
CAS NUMBER:	31692-79-2
DESCRIPTION:	Dihydroxy terminated homopolymer of dimethylsiloxane
FORMULA:	$(C_2H_6OSi)_xH_2O$

TYPICAL PROPERTIES:

Appearance:	Liquid
Approx Mw:	90,000 [GPC]
Viscosity:	18,000 cs
Density:	0.98
Functionality:	0.04 wt%
Boiling point:	> 204°C
Flash point:	> 400°F
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: