



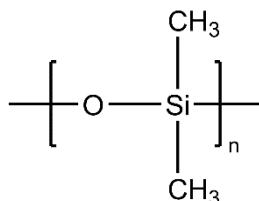
Technical Data Sheet

MATERIAL:	Polydimethylsiloxane
CATALOG NUMBER:	1005
CAS NUMBER:	63148-62-9
DESCRIPTION:	Dimethylsiloxane homopolymer
FORMULA:	$(C_2H_6SiO)_x$

TYPICAL PROPERTIES:

Appearance:	Liquid
Viscosity:	100 cs (25°C)
Refractive index:	n_D^{20} 1.404
Density:	0.965 (25°C)
Pour point:	-65°C
Flash point:	>214°F
Solubility:	Aliphatic and chlorinated hydrocarbons, THF, toluene

GENERAL INFORMATION: Polydimethylsiloxane (PDMS) belongs to a group of organosilicon compounds which are commonly referred to as silicones. Its applications range from contact lenses and medical devices to elastomers, in shampoos, caulking, lubrication oils and heat resistant tiles.

STRUCTURE:

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