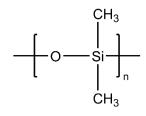


## **Technical Data Sheet**

MATERIAL:	Polydimethylsiloxane	
CATALOG NUMBER:	1007	
CAS NUMBER:	63148-62-9	
DESCRIPTION:	Dimethylsiloxane homopolymer	
FORMULA:	$(C_2H_6SiO)_x$	
TYPICAL PROPERTIES:	Appearance: Viscosity: Refractive index: Density: Melting point: Flash point: Solubility parameter: Solubility:	Liquid 10,000 cs (25°C) $n_D^{20}$ 1.404 0.971 (25°C) -24°C >212°F 7.4 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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