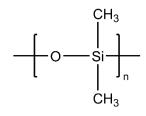


Technical Data Sheet

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:



Technical information and data regarding the composition, properties or use of the products described herein is believed reliable. However, no representation or warranty is made with respect thereto except as made by Sp² in writing at time of sale. Sp² cannot assume responsibility for any patent liability which may arise from the use of any product in a process, manner or formula not designed by Sp².