



"Silicaid® F -" SILICONE Fluids (DMPS)

DESCRIPTION

"Silicaid® F -" are pure Dimethyl Poly Siloxanes in range of viscosities from 0.65 to 60,000 and more. The viscosity is function of the molecule's size.

APPLICATION

Release agents, lubricants for plastics & rubber, damping media, hydraulic - fluids, liquid - dielectrics, water repellents, antifoam agents, for cosmetics and dermatological formulations, additives in polishes.

SPECIFICATIONS

(of standard grades).

Silicaid ® :	F - 10	F - 50	F - 350	F - 1000	F - 12500	F - 60000
Viscosity (mm^2/S)	10	50	350	1000	12500	60000
Specific gravity (25° C)	0.930 - 0.933	0.955 - 0.957	0.960 - 0.970	0.965 - 0.975	0.965 - 0.975	± 0.970
Flash point (°C)	> 170	> 250	> 300	> 320	> 320	> 320
Freezing point (°C)	< - 65	- 55	- 50	- 50	- 46	- 42
Boiling point (200° C)	0.6 mbar	< 5%	none	none	none	none
Volatility (230°C/2hs)	----	----	< 2.5	< 2.5	< 1.5	< 0.75
Refractive index (25°C)	1.397 - 1.399	1.401 - 1.402	1.402 - 1.403	1.403 - 1.404	1.403 - 1.404	1.403 - 1.404
Thermal conductivity (50°C, W/K*m)	0.11	0.15	0.15	0.15	0.15	0.15
Electric strength (kv/mm)	14	14	14	14	15	15
Surface tension (mN/m)	19.9	20.8	21.1	21.2	21.5	21.5
Toxicity	Although silicones are particularly inert physiologically and appear to be essentially non-toxic, temporary discomfort may be produced from eye contact with them.					

* Specifications of non-standard fluids available on request.

Shipping limitations : none

Standard package : 200 Kg., other packages available on request.