

"Silicaid[®] F -"

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 - 350	F - 1000	F - 12500	F - 60000
Viscosity (mm^2/S)	350	1000	12500	60000
Specific gravity (25° C)	0.960 - 0.970	0.965 - 0.975	0.965 - 0.975	± 0.970
Approx. Molecular Weight	13,650	28,000	=	116,500
Approx. "n" Value	185	375	=	1570
Flash point (°C)	> 300	> 320	> 320	> 320
Freezing point (°C)	- 50	- 50	- 46	- 42
Boiling point (200° C)	none	none	none	none
Volatility (230°C/2hs)	< 2.5	< 2.5	< 1.5	< 0.75
Refractive index (25°C)	1.402 - 1.403	1.403 - 1.404	1.403 - 1.404	1.403 - 1.404
Thermal conductivity (50°C, W/K*m)	0.15	0.15	0.15	0.15
Electric strength (kv/mm)	14	14	15	15
Surface tension (mN/m)	21.1	21.2	21.5	21.5

* Specifications of non-standard fluids available on request.

Toxicity : Although silicones are particularly inert physiologically and appear to be essentially non-toxic, temporary discomfort may be produced from eye contact with them.

Shipping limitations : none

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

