

## Dow Corning 705 DIFFUSION PUMP FLUID

Category : Polymer , Thermoplastic , Siloxane

**Material Notes:**

A colorless, penta phenyltrisiloxane, single-component fluid designed for ultrahigh vacuums of 10<sup>-10</sup> torr (untrapped) and 10<sup>-11</sup> (trapped). Information provided by Dow Corning

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Corning-705-DIFFUSION-PUMP-FLUID.php](http://www.lookpolymers.com/polymer_Dow-Corning-705-DIFFUSION-PUMP-FLUID.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity Measure	175 cSt	175 cSt	kinetic/kinematic
Molecular Weight	546 g/mol	546 g/mol	
Surface Tension	36.5 dynes/cm	36.5 dynes/cm	

Thermal Properties	Metric	English	Comments
Heat of Vaporization	118000 J/g	50800 BTU/lb	
	@Temperature 250 °C	@Temperature 482 °F	
Boiling Point	245 °C	473 °F	
Flash Point	243 °C	469 °F	open cup

Processing Properties	Metric	English	Comments
Shelf Life	60.0 Month	60.0 Month	

Descriptive Properties	Value	Comments
Ultimate Vacuum (Torr)	1E-11	trapped
	1e-9 to 1e-10	untrapped

## Contact Songhan Plastic Technology Co.,Ltd.

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