

Dow Corning 704 DIFFUSION PUMP FLUID

Category : Polymer , Thermoplastic , Siloxane

Material Notes:

A clear, tetramethyltetra-phenyltrisiloxane, single-component fluid for high vacuums of 10-7 to 10-8 torr range (untrapped) and 10-11 (trapped).Information provided by Dow Corning

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Corning-704-DIFFUSION-PUMP-FLUID.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity Measure	39 cSt	39 cSt	kinetic/kinematic
Molecular Weight	484 g/mol	484 g/mol	
Surface Tension	37.3 dynes/cm	37.3 dynes/cm	

Thermal Properties	Metric	English	Comments
Heat of Vaporization	107000 J/g	45900 BTU/lb	
	@Temperature 200 °C	@Temperature 392 °F	
Boiling Point	215 °C	419 °F	
Flash Point	221 °C	430 °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-7 to 1e-8	untrapped

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