

JIT SILICONES +

Silicone Diffusion Pump Fluids

#702, #704 & #705 Fluids

- Primary Use:
 - wide variety of pumping applications requiring ultimate pressures in the 10^{-7} torr range without trapping. (higher with first class LN₂ traps.
- Applications include vacuum metal casting, diffusion bonding and instruments (including TOF mass spectrometers, electron microscopes, and others)

Standard package sizes:

ITEM #	SIZE	NOTE
60014	1 Gallon	#702
60018	1 Gallon	#704
60022	1 Gallon	#705
60015	5 Gallon	#702
60019	5 Gallon	#704
60023	5 Gallon	#705
60016	55 Gallon Drum	#702
60020	55 Gallon Drum	#704
60024	55 Gallon Drum	#705

JIT Silicones +

P.O. Box 24
Mars, PA 16046
Phone: (855) JIT-PLUS (855) 548-7587

www.jitsiliconesplus.com

SJIT Silicone Diffusion Pump Fluids (702,704,705)

FEATURES

- High resistance to oxidation
- *CLEAR* in color
- Thermally stable
- Faster pumping, faster cycling
- Reduced downtime
- Low maintenance
- Comparable to Dow Corning®
702,704 and 705 Fluids

TYPICAL PROPERTIES

The values reported on this sheet should not solely be used for preparing specifications on this product. Please contact JIT Silicones Plus for assistance in preparing a specification.

COMPOSITION

1,3,3,5,-tetramethyl-1,1,5,5-tetraphenyltrisiloxane

APPLICATIONS

- Diffusion pumps particularly in difficult applications with high heat

<u>Property</u>	#702	#704	#705
Vapor Pressure	3.3 x 10	2.0 x 10	2.4 x 10
Base Oil / Visc @ 40°C	26.8cSt (127SUS)	24.2cSt (115SUS)	66cSt (306SUS)
Base Oil / Visc @ 100°C	6.2cSt (46.5SUS)	6.2cSt (46.5SUS)	9.8cSt (58.4SUS)
Boiling Point @0.5 torr	190C (374F)	210C (410F)	243C (469F)
Pour Point	<0C (<32F)	<-9C (<16F)	<0C (<32F)
Flash Point	193C (380F)	221C(430F)	243C(470F)
Fire Point	None	None	None
Density	1.07 g/ml	1.07 g/ml	1.07 g/ml

LIMITATIONS

Do not use silicone fluids in mechanical pumps

PACKAGING

Available in in 55 gallon drums (400 lbs.), 5 gallon pails (40 lbs.), 1 gallon pails (8lbs.) Other sizes on request

Usable Life & Storage -- When stored at or below 32°C (89.6°F), this product has a minimum usable life of 60 months from date of production.

Handling Precautions - See SDS Sheet

Limited Warranty - Please Read CarefullyThe information contained herein is offered in good faith and is believed to be accurate. However, Because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that JIT Silicones + (JIT) products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

JIT's sole warranty is that the product will meet the sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. JIT SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. JIT DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.