

KURT J. LESKER COMPANY

Diffusion Pump Oil

KJL 704 & 705



Applications Include:

- Automotive lighting
- Glass & decorative coatings
- Heat treating
- Manufacture of TV monitors CRTs
- Optical coatings

What Makes Our Oil So Special?

- Low cost. Typically 25% less than Dow Corning
- High resistance to oxidation
- Thermal stability
- Faster pumping, faster cycling
- Reduced down time
- Low maintenance

Created to Suit Your Needs!

- North American & European stock available
- Speedy delivery worldwide
- Qualifying samples available
- KJLC is a full line supplier of vacuum pumps spanning all applications
- Downloadable MSDS sheets for our entire fluids product line
- Reclaimable for greater savings
- Private labeling facilities
- Buy online anytime, visit www.lesker.com

Kurt J. Lesker
Company

www.lesker.com

sales@leskerltd.com

1.800.245.1656

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704BB\$84.00
 704CA\$504.00
 704CP\$2520.00

BB500cc
 CA1 Gal/8.5#
 CP5 Gal/42.5#

Specifications Comparison: 704 Silicone Fluids

	704 (KJLC)	704 (Dow Corning)
Ultimate Vacuum (torr) :		
Untrapped	10^{-7} to 10^{-8}	10^{-7} to 10^{-8}
Trapped	to 10^{-11}	to 10^{-11}
Extrapolated Vapor Pressure (torr) @ 25°C	8.4×10^{-8}	2×10^{-8}
Specific Gravity @ 25°C	1.10	1.07
Viscosity @ 25°C	46	39
Flash Point, Open Cup	220°C	221°C
Boiling Point @ 0.06 Torr	223°C	215°C
Typical Boiler Temp.	230°C	220°C
Surface Tension (dynes/cm)	37.5	37.5
Heat of Vaporization (kcal/g mole)	22.0 / 200°C	25.5 / 200°C
Molecular Description	Tetamethyl tetraphenyl trisiloxane	Tetamethyl tetraphenyl trisiloxane
Molecular Weight	484	484

705BB\$150.00
 705CA\$805.00
 705CP\$4025.00

Specifications Comparison: 705 Silicone Fluids

	705 (KJLC)	705 (Dow Corning)
Ultimate Vacuum (torr) :		
Untrapped	10^{-9} to 10^{-10}	10^{-9} to 10^{-10}
Trapped	to 10^{-11}	to 10^{-11}
Extrapolated Vapor Pressure (torr) @ 25°C	3×10^{-10}	3×10^{-10}
Specific Gravity @ 25°C	1.09	1.09
Viscosity @ 25°C	165 - 185	175
Flash Point, Open Cup	243°C	243°C
Boiling Point @ 0.06 Torr	245°C	245°C
Typical Boiler Temp.	248 - 265°C	250 - 270°C
Surface Tension (dynes/cm)	36.5	36.5
Heat of Vaporization (kcal/g mole)	28.2 / 250°C	28.2 / 250°C
Molecular Description	Pentaphenyl trimethyl trisiloxane	Pentaphenyl trimethyl trisiloxane
Molecular Weight	546	546



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