

Description:

Inland 45 is the highest quality rough pump oil you can use for your mass spectrometer. Inland 45 permits strain-free cold starts as a result of its low pour point and high viscosity index (its viscosity is lower than that of typical vacuum pump oils at low temperatures). In addition, because it maintains its viscosity at high temperatures, it provides a good seal under full load conditions. Among other properties offered by Inland 45's unique molecular structure are chemical inertness and high-temperature stability superior to those of other high-performance oils, such as white oils; and low vapor pressure (10^{-7} torr at 25 deg. C). This oil is recommended for use on all H.P. Mass Spectrometers as well as other systems where the best vacuum levels and lowest Mass Spectrometer background are required.

Non-toxic, non-corrosive and reclaimable, Inland 45 is compatible with Buna-N, neoprene and Viton elastomers; and miscible with petroleum based oils, Freon, aromatic solvents and flushing fluids.

Inland 45 is equivalent to Agilent Technologies Supergrade Oil # 6040-0834.

Viton® is a registered trademark of DuPont Dow Elastomers.

Features:

- Ease at Cold Start
- Low Vapor Pressure 10^{-7} torr
- Non-toxic and Non-corrosive
- Compatible with Buna-N, Neoprene and Viton® Seals
- Optimum Vacuum Pump Performance
- Lowest Mass Spectrometer Background
- Recommended for Optimum Mass Spec Performance

Specifications:

Vapor Pressure @ 25 °C:	<1 x 10^{-7} torr
Viscosity @ 40 °C:	49 cst
Viscosity @ 100 °C:	6.9 cst
Viscosity Index:	132
Pour Point:	-59 °C
Flash Point:	264 °C
Fire Point:	288 °C
Density:	0.83 gm/cc

SDS

[Click here to view SDS](#)