

TECHNICAL DATA SHEET

NEOVAC MR-100

HIGH QUALITY ROTARY PUMP OIL

PRODUCT DESCRIPTION:

NEOVAC MR-100 is high grade vacuum rotary pump oil which is prepared by the fractional distillation of highly refined mineral base oil in MORESCO's unique molecular distiller. NEOVAC MR-100 is standard vacuum rotary pump oil for versatile purposes.

BENEFITS:

- Excellent oxidation stability means you can expect long term fluid service and minimal maintenance job caused by the formation of sludge
- Low vapor pressure enables the pump to obtain the lowest ultimate pressure that a rotary pump can attain.
- Excellent demulsibility separates moisture readily

PHYSICAL PROPERTIES:

ISO Viscosity Grade	46
VISCOSITY (40°C · mm ² /s)	44.6
COLOR (ASTM)	L0.5
DENSITY (g/cm ³ , 15°C)	0.878
FLASH POINT (°C)	230
POUR POINT (°C)	-17.5
TOTAL OXIDATION (mgKOH/g)	0.00
DEMULSIBILITY	40-40-0 (Under5)
HEAT STABILITY (17°C x24h)	Pass
VAPOR PRESSURE (50°C) Pa	Below 1.3 x 10 ⁻²
(50°C) Torr	Below 1.0 x 10 ⁻⁴

APPLICATION:

NEOVAC MR-100 is unable to be blended with water or other fluids. Please check the correct viscosity grade of the pump. Usable on all rotary vacuum pumps, but better suited toward small size vacuum pumps.

HANDLING & STORAGE:

Please refer to the Safety Data Sheet (SDS)

PACKAGING:

NEOVAC MR-100 is available in 4L can, 20L pail, and 200L drum.