

MOLYDUVAL

Amadeus F 100



Synthetic Vacuum Pump Oil

A high performance lubrication oil based on PFPE for the lubrication of vacuum pumps. It is particularly useful when conventional hydrocarbons such as mineral oils or other synthetic lubricating oils do not have a satisfactory lubricating effect or sufficient service life due to their decomposition.

Properties

- * chemically inert to most materials like plastic and rubber
- * free of chlorine
- * free of silicones
- * good high temperature resistance
- * good low temperature characteristics
- * good oxidation resistance
- * relative good compatible with aliphatic, aromatic, and chlorinated hydrocarbons
- * compatible with many thermoplastics and duroplastics
- * inflammable
- * relative good resistant against radiance

Applications

- * for vacuum pumps in pharmaceutical and analytical instruments.
- * for vacuum pumps, e.g. Roots pumps

Technical Datas

Color		transparent
Base Fluid		PFPE
Viscosity Class	ISO-VG	100
Temperature Range	°C	-30 -> 250
Pour point	°C	-35
Density 15°C	kg/m ³	1900
Viscosity 40°C	mm ² /s	100
Flash Point	°C	no

The indicated service temperatures are guide values depending on the lubricants composition and on the application. They may vary in case of special influences or ongoing use.

For further information, please see our website www.molyduval.com or consult your local representative.

The content of this manual is based on our current knowledge and experience in the development and manufacture of lubricants. Because of the complexity of tribological systems, the effect of our products depends on many parameters, which we cannot assess and which influence we cannot evaluate. For this reason general statements about the function of our products are not possible. The information in this manual, therefore, contains non-binding guidelines, which should give the technical trained reader information on possible applications. The information in this manual does not include property assurances or warranties or guarantees to the properties or suitability of this product in a specific application. Prior to its use it is absolutely necessary to test this product in the application to ensure that the product and its use is safe, economical and fully suitable. It should proceed with due diligence.