



FOMBLIN Y VAC 3 GREASE

Perfluoropolyether based grease, for use under high vacuum conditions. With a rating of 10^{-13} torr, Fomblin Y-Vac 3 has unsurpassed performance in vacuum applications. It may be used to lubricate slides, bearings, pins, bushes, gears and valves and will not have a detrimental effect on rubbers, plastics or metals.

FEATURES

- Ø Temperature range -20°C to 200°C
- Ø Outstanding EP performance (620kg weld load)
- Ø Excellent chemical resistance
- Ø Suitable for high vacuum applications up to 10^{-13} torr
- Ø High oxidation and thermal resistance

DIRECTIONS FOR USE

- Ø Apply manually or by suitable applicator capable of handling NLGI No 3 greases
- Ø Compatible with most perfluoropolyether greases, however it is recommended that bearings be purged of previous lubricants before application
- Ø If the previous lubricant used was not perfluoropolyether based, it is important to ensure that the bearings are fully cleaned with a suitable solvent, for example ROCOL Industrial Cleaner Rapid Drying Spray, before charging with Fomblin Y-Vac 3

Technical and Safety Data Sheets are available from:

Fax Back Facility : +44 (0)113 232 2770
Web Site : www.rocol.com
Customer Service : +44 (0)113 232 2700

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ROCOL Lubricants

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www.rocol.com

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The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance.

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FOMBLIN Y VAC 3 GREASE

TECHNICAL DATA (typical values)

Appearance	Soft white grease
NLGI No. (IP 50)(ASTM D217)	NLGI No. 3
Base type	Perfluoropolyether
Base fluid viscosity at 20°C	1200 - 1600 cSt
Thickener	PTFE
Temperature range	-20°C to 200°C
Oil Separation (30 hrs at 100°C)	2%
Shell 4 ball (IP 239)(ASTM D2596)	
Weld load	620 kg
Specific gravity	1.92
Solvent / Chemical Resistance	
All organic solvents	Fluorine / chlorine / bromine
All organic acids	Hydrochloric acid
Tributylamine	Hydrofluoric acid
Quinoline	Sulphuric acid
Potassium and sodium hydroxide	Orthophosphoric acid
Sodium carbonate	Ferric chloride / zinc chloride
Potassium chloride	Boron trifluoride
Fomblin Y-Vac 3 is soluble in:	Fluorinated solvents
Storage	Storage temperature should be controlled to between 1 and 40 °C.
Pack sizes	100g

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