

DOC NO	REV	ISSUED	CLASS
TDS-JEFLOR-50	02	09/2026	Grease · PFPE / PTFE

TECHNICAL DATA SHEET

JEFLOR-50

PTFE-Thickened Perfluorinated Polyether Grease · NLGI 2 · up to +280 °C

DROPPING POINT	WORKED PENETRATION	FOUR-BALL WELD LOAD	OPERATING RANGE
300 min. °C	265 to 295	500 kg	-25 °C to +280 °C

DESCRIPTION

A white, PTFE thickened, perfluorinated polyether grease. The exceptional thermal stability of this grease ensures very long term lubrication characteristics. Suitable for the lubrication of bearings, slides, small gears and valves operating at high temperatures, up to 280 °C. Highly resistant to chemicals and solvents, and can be used in the presence of oxygen. Also suitable for applications requiring 'lubrication for life'.

OPERATING RANGE

- -25 °C to +280 °C

PACK SIZES

Multiple pack sizes available on request.

METHOD OF APPLICATION

Applied extremely sparingly by hand. Whilst compatible with most PFPE type greases, it is always recommended to clean components thoroughly with a suitable solvent prior to application.

COST-SAVING BENEFITS

- Good oxidation stability ensures prolonged lubrication intervals at high temperatures
- Exceptional low levels of carbonisation at high operating temperatures extend component life
- Extended lubrication intervals reduces lubrication costs
- Extremely resistant to chemicals and suitable in the presence of oxygen
- Anti-wear additives protect and prolong component life

APPLICATIONS

- Bearings, slides and small gears at high temperature
- Valves in chemically aggressive or oxygen service
- 'Lubrication for life' assemblies

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	RESULT
Appearance	–	Smooth grease
Colour	–	White
NLGI classification	–	2
Thickener	–	PTFE
Base oil	–	PFPE
Worked penetration	IP 50	265 to 295
Corrosion preventative test	ASTM D-1743	Pass
Dropping point, °C	IP 132	300 min.
Four-ball weld load, kg	IP 239	500
Operating temperature range	–	-25 °C to +280 °C

Typical values shown do not constitute a specification. The information is based on current knowledge and is intended to describe the product for possible applications; it does not release the user from performing preliminary tests.