

QUAKERTEK™ VERKOFUOR RT - 2

Applications:

Mainly recommended for lubricating rolling contact bearings and plain bearings operating at high temperatures and in environments with aggressive or oxidising fluids. Suitable for operation in contact with oxygen under pressures of up to 150 bars at 60°C. QUAKERTEK™ VERKOFUOR RT - 2 grease possesses excellent properties for lubrication under threshold friction conditions. The operating temperature of this grease is from -20 to +250°C on a regular basis.

Recommended for use in applications such as overhead conveyors in paint ovens, roll supports in the dry section of paper machines, bearings in all types of tunnel furnaces, plain bearings in glass furnaces, chain bearings in textile stenters, railcar wheels in ceramic kilns and valves for hydrocarbons, gases and strongly oxidising inorganic fluids in the chemical and petrochemical sectors.

Considering its excellent stability against ageing, QUAKERTEK™ VERKOFUOR RT - 2 may be used in applications requiring a lifetime or long-life lubrication grease, such as azimuth turning bearings in wind turbines, an in applications with lower load and temperature requirements but where the longest possible performance over time is intended.

Main Benefits:

High-performance synthetic lubricant grease based on PFPE (perfluoropolyether) fluids and thickened with PTFE (polytetrafluoroethylene), which make it the ideal product to substantially increase relubrication intervals even under extreme load, temperature, pollution or oxidation conditions. This grease may be used in the presence of water, oil and, in general, any solvent or low-fluorinated organic substances because it does not wash off, dissolve or let its structure become altered. It is compatible with all types of materials (glass, metal, elastomers, plastic, ceramic) and its properties remain unaltered within a large range of temperatures.

Approvals:

H1 Category Code. NSF Registration N° 151141.

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Typical Characteristics:

Colour	White
Density at 20°C, g/cm ³	1.9
Thickener type	PTFE
NLGI Grade	2
Unworked penetration 60 strokes ASTM D-217, 1/10mm	280
Worked penetration 60 strokes ASTM D-217, 1/10mm	285
Evaporation weight loss (22h/204°C), ASTM D-2595, %	0.9
Oxygen impact pressure, BAM test (60°C), bar	150
Emcor test, DIN 51502	0-0
Four ball machine	
Weld point, IP-239, kg	550

Storage:

- Store at room temperature away from water, moisture or ignition sources.
- Avoid storage outside in open air.
- Store in closed containers.
- Avoid spillage in water and on the ground.
- Dangerous reaction with strong oxidizers.
- Avoid the transfer to other packaging. If inevitable, put a label on the new one.

For more information on the safe handling and use of this product, refer to its Material Safety Data Sheet.