

A non-inflammable perfluorinated oil-based grease thickened using ultra-micronised PTFE telomere, with an anti-corrosion additive

USES

Roller bearings, plain bearing blocks or joints subject to high temperatures, such as in furnaces, ovens, or drying, stabilisation or polymerisation tunnels.

Glass, textiles, cardboard, plastic films, paints, chemicals, robotics, nuclear, aeronautics and valves industries.

Tailored to lubricating and protecting electrical contacts.

GR FLUOX 225 is a completely inert grease resistant to the toughest thermal and mechanical stresses, as well as to the most concentrated chemicals.

GR FLUOX 225 is compatible with all elastomers, seals, plastics and metals of all kinds in general use in industry.

GR FLUOX 225 is suitable for applications in contact with nitrous oxide.

GR FLUOX 225 has been tested by AIR LIQUIDE (test report no. 2012/R179)

Self-ignition temperature with gaseous oxygen as per standards EN ISO 11114-3 and EN 1797:

415.6°C +/- 2°C at a test pressure of 121.1 bar +/- 2 bar

Mechanical impact in liquid oxygen as per standard EN 1797: **compatible**

| Characteristics | Standards | Units | Values |
|--------------------------------|-------------|--------|----------------------|
| Nature of base oil | - | - | Perfluorinated |
| Base oil viscosity at 40°C | ISO 3104 | cSt | 150 |
| Colour | - | - | White |
| Specific gravity | ISO 12185 | - | 1.92 |
| NLGI grade | - | - | 2 |
| Drop point | ISO 6299 | °C | none |
| Max. rotation factor | - | n x mm | 500,000 |
| EMCOR corrosion test | DIN 51802 | Rating | 0.0 |
| 4-ball weld machine test | ASTM D 2596 | kg | >500 |
| Oxygen content at 60°C | BAM | bar | 170 |
| Operating temperature | | °C | -40 to + 240 |
| Vapour pressure (oil at 100°C) | Knudsen | Torr | 2 x 10 ⁻⁵ |

The characteristics are given purely for information and are consistent with our current production standards. IGOL reserves the right to modify them, in order to pass on technical developments to its customers. Before using this product, you should consult the instructions for use and the environmental impact shown on the technical and safety data sheets. The information given above is based on the current state of our knowledge of the product in question. The product user should take all relevant precautions relating to its use. Under no circumstances may IGOL be held liable for damages resulting from misuse.

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