

## Carbaflo® 4631

## Perfluorinated High Temperature Grease

### Product description

CARBAFLO® 4631 is a unique high performance grease for the lubrication of roller and straight bearings, valve seats, regulators, working and fastening threads under extreme oxygen pressure.

CARBAFLO® 4631 has the BAM Approval for the use in gaseous oxygen up to 60°C and a pressure of 400 bar  
BAM Az II-3004/2004 II



### Ingredients

CARBAFLO® 4631 is a blend of different perfluorinated fluids with inorganic thickeners.

| TEST                    | SPECIFICATION | RESULT                 |
|-------------------------|---------------|------------------------|
| Appearance              |               | soft, homogenous paste |
| Colour                  |               | white                  |
| Specific density (20°C) | IP 365 / 85   | 1,96 g/cm <sup>3</sup> |
| Viscosity, cSt @ 40°C   |               | 300                    |
| NLGI - grade            | DIN 51818     | 2                      |
| Dropping point          | IP 132 / 85   | none                   |
| Pure point              | IP 15 / 86    | - 65°C                 |
| Working temperature     |               | -60°C up to +260°C     |
| Emcor - Test            | DIN 51802     | 0                      |
| Oxygen resistance       | BAM           | 400 bar at 60°C        |

### Advantage

CARBAFLO® 4631 is resistant against the most organic solutions and inorganic acids and has an extreme high oxidation resistance. It protects from corrosion and is non toxic in the usable temperature range.

CARBAFLO® 4631 has excellent high pressure properties, which work along the whole temperature range. The product is chemically inert and is not influenced by aggressive chemicals. It is extremely heat resistant, non flammable and has excellent compatibility with plastic, elastomeres and rubber

CARBAFLO® 4631 has outstanding dielectric properties and is suitable for the lubrication of electrical components.

### Application

The surfaces should be completely cleaned from dust, dirt, fingerprints, mineral oils or other synthetic oils than CARBAFLO® and so on.

Cleaning from CARBAFLO® 4631 can be done with CARBAFLO® 790