

## Carbaflo® 3711

## Perfluorinated High Temperature EP Grease

### Product description

CARBAFLO® 3711 is an high temperature grease for the lubrication of bearings working under extremely high temperatures and pressures. It is resistant against the most organic and inorganic solvents an acids and performs extreme high pressure properties. The non evaporating base oil enables excellent performance under high temperatures and pressures and very long re-lubrication intervals.



### Ingredients

CARBAFLO® 3711 contains PTFE as thickener, Molybdenum disulphide, Fluorohydrocarbonpolymers, EP -, Anti-wear-, some corrosion protection-, de-watering- and high pressure-additives.

| TEST                              | SPECIFICATION                                | RESULT             |
|-----------------------------------|--|--------------------|
| Appearance                        |  | pasty              |
| Colour                            |  | Grey - black       |
| Specific density (20°C)           | IP 365 / 85                                  | 1,92 - 1,95 g/cm³  |
| ISO Grade (Base oil)              |  | 460                |
| Viscosity , cSt @ 40°C (base oil) |  | 510                |
| Viscosity index (Base oil)        |  | 135                |
| NLGI - Grade                      |  | 2                  |
| Drop point                        |  | n.a.               |
| Pure point                        | IP 132 / 85                                  |                    |
| Evaporation losses                | IP 15 / 86                                   | < 0,5%             |
| Operating temperature             | 204°C / 22 h                                 | -20°C up to +288°C |
| Emcor Test                        |  | 0                  |
| 4 Ball Test (107°C / 1 h)         | DIN 51802                                    | 1,2                |
| Coefficient of friction           | ASTM D4172 B / 1200 <sup>1</sup> /min / 40kg | 0,08               |

### Advantage

CARBAFLO® 3711 is resistant against the most organic solutions and inorganic acids and has a better oxidation resistance than mineral or synthetic oils. It protects from corrosion and is non toxic in the usable temperature range.

CARBAFLO® 3711 uses a base fluid with extremely low evaporation rate when compared with conventional lubricants, giving excellent durability at elevated temperatures.

CARBAFLO® 3711 has excellent extreme pressure properties, which work along the whole temperature range. The product is chemically inert and is not influenced by chemicals used for metalworking or coating.

CARBAFLO® 3711 has excellent dielectric properties which makes it ideas for lubricating of electrical components

### Application

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

Cleaning from CARBAFLO® 3711 can be done by CARBAFLO® 790