

Carbaflo® KSP 205

Perfluorinated High performance lubricant

Product description

CARBAFLO® KSP 205 is a unique PFPE - Product, which has been developed specially for the automotive and allied industries. It exhibits an extreme low evaporation rate, even at higher temperatures.

CARBAFLO® KSP 205 is ideal for a reliable lifetime lubrication of mechanical and electro mechanical components, as for example protective motor switches, regulators and encapsulated mechanical and electro mechanical components where a re-lubrication is technically not possible (steering wheel shafts).

Further applications, where CARBAFLO® KSP 205 is recommended :

- **manual and automatic seat mechanisms**
- **mechanism for mirrors and sun roofs**
- **eliminates squeaks (Stick-Slip-Effect)**
- **eliminates seal sticking (doors, boots, sunroofs, etc.) ...**

and other areas, which show unwanted noises, for example interior trims.

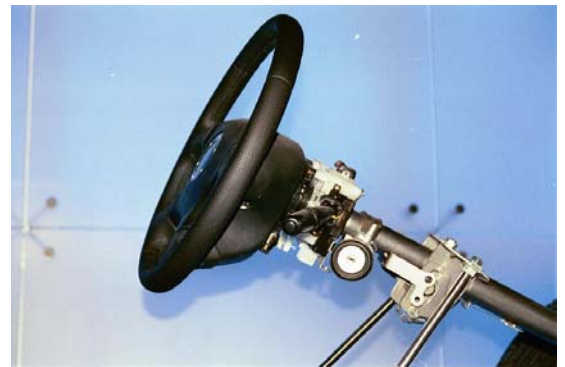


Ingredients

CARBAFLO® KSP 205 is a white, pasty, fully synthetic and solvent free PFPE - Product

Advantage

- **Excellent lubricity**
- **Exceptional low volatility**
- **Compatible with other materials including plastics, rubber, metal and leather**
- **High & low temperature stability (continuously useful -36°C up to 204°C.**



Application

CARBAFLO® KSP 205 may be applied on clean surface by a fine brush or textile or by using accurate dispensing equipment, which guaranties a more cost effective application.

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CARBAFLO® KSP 205 is approved for on car application by many of the leading automotive manufacturers like:

- Aston Martin
- Rollce Royce
- Rover
- Landrover
- Jaguar
- Ford
- BMW
- Lotus
- MG
- Volvo
- Saab



Typical base oil properties

| TEST | SPECIFICATION | RESULT |
|--|---|----------------------------------|
| Appearance | | Fluid |
| Colour | | Clear, colourless |
| Specific gravity (20°C) | IP 365 / 85 | 1,94 g/cm ³ |
| Viscosity | IP 71 / 87 | at 20°C : 550 cSt |
| | | at 40°C : 160 cSt |
| | | at 100°C : 18 cSt |
| NLGI - grade | DIN 51818 | - 30°C |
| Pure point | IP 15 / 86 | |
| Working temperature | | -3°C up to +204°C |
| 4 ball wear Test (20kg/107°C/1200 1/min) | | |
| Wear scar, mm | | 0,3 |
| Friction coefficient | | 0,07 |
| Max. load, lb | | > 4500 |
| Torque at max. load, lb | | 56 |
| Heat transfer capability, W / m · K | | |
| 38°C | | 0,093 |
| 149°C | | 0,088 |
| 260°C | | 0,088 |
| Break down voltage | ASTM D-877, KV/0,1 inch | 38,0 up to 41,0 |
| Specific resistor | ASTM D-257, Ohm-cm | 0,6 up to 4,0 x 10 ¹⁴ |
| Relative permittivity | ASTM D-150 @ 10 ² bis 10 ⁵ Hz | 2,1 up to 2,2 |
| Decomposition rate | ASTM D-150 % @ 10 ² bis 10 ⁵ Hz | 3,0 up to 7,0 x 10 ³ |