

Carbaflo® KSP 105

Perfluorinated high performance lubri-

Product description

CARBAFLO® KSP 105 is an unique PFPE - Product, which has been specially developed for the automotive industry. The product exhibits an extremely low evaporation rate, even at higher temperatures.

CARBAFLO® KSP 105 is ideal for a reliable lifetime lubrication of mechanical and electro mechanical components, as for example protective motor switches, regulators and encapsulated electro mechanical components where a re-lubrication is technically not possible. Further application where CARBAFLO® KSP 105 is recommended:

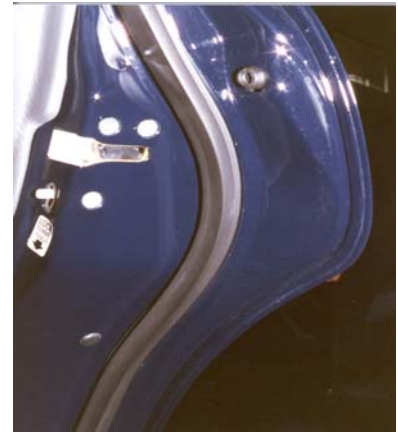
- **Window judder elimination**
- **Reduction of leather creaking**
- **Facia squeak elimination**
- **Door and sun roof seal stick elimination**

and other areas, which create unwanted noises, for example interior trim in a vehicle.



Ingredients

CARBAFLO® KSP 105 is a colourless, fully synthetic, solvent free PFPE-Product



Advantage

- **No curing delay**
- **No unsightly tapes**
- **No volatile solvents**
- **Durable and invisible**

Application

CARBAFLO® KSP 105 may be applied to a clean surface in many ways including wiping, brushing or dipping. After the application CARBAFLO® KSP 105 forms an invisible and non reactive lubricating film on the surface of the work piece. CARBAFLO® KSP 105 can be applied during the part production or during the assembling.



Carbaflo® KSP 105

Perfluorinated High Performance Lubricant

CARBAFLO® KSP 105 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 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
VKA - 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		0,093
38°C		0,088
149°C		0,088
260°C		
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