

## OSIXO® KM

### High efficient PTFE dispersion

**OSIXO® KM** is based on a wax like, short-chain PTFE (Polytetrafluoroethylene) telomere. It is solved in isopropyl-alcohol and is additized with a tackifier. The product could be applied on a variety of surfaces. It has a very low coefficient of friction (high slide ability) as well as an excellent detach- and adhesion ability. **OSIXO® KM** is perfectly suited as base material for PTFE sprays.



#### Typical properties:

General:		PTFE-telomer-solid:	
Solid content:	15 wt%	Molecular weight:	App. 3700
Tackifier:	15 wt%	Density (25 °C):	2,16 g/cm <sup>3</sup>
Density (25 °C):	0,865 – 0,903 g/cm <sup>3</sup>	Softening point:	265 °C
Appearance:	White Dispersion	Melting point (crystal):	300 °C
Particle size:	App. 5 µm	Hardness * 25 °C:	0,5 mm

\* Needle penetration ASTM D 1321-57 T (5 sec., 400 g)

Solvent:		Tackifier:	
Name:	Isopropylalcohol	Name:	Tetra-n-butyltitanat
Boiling point:	82 °C	Molecular weight:	340
Freezing point:	-86 °C	Boiling point:	120 °C
Density (25 °C):	0,781 g/cm <sup>3</sup>		

**OSIXO® KM** can be used with a variety of polar and unpolar solvents:

Solvent	Rating	Solvent	Rating
isopropyl alcohol	Excellent	Test fuels	Very good
Methanol	Very good	Dioxane	Good
Ethanol	Very good	CKW	Poor
Acetone	Very good	Water	Poor



#### Application:

**OSIXO® KM** coatings should be applied to clean and dry surfaces. Once the coating is applied, it is resistant to most solvents. The coating could only be removed with solvents such as acetone or isopropyl alcohol.

**OSIXO® KM** is already formulated with a highly efficient tackifier. Therefore an additional usage of a tackifier is not necessary.

To get the optimal drying time, we recommend to dilute **OSIXO® KM** with a low boiling hydro carbonite. The lowest cost solution is a dilution of **OSIXO® KM** with benzine 60/95.

#### More Information:

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