



Metachain PF

High performance, synthetic chain lubricants for TDO lubrication



Description

Metachain PF range products are high performance, fully synthetic lubricants specifically designed to lubricate and protect the TDO chain systems of plastic film (BOPP, BOPET etc) stretching machines. They are formulated from an advanced blend of synthetic base fluids carefully selected to deliver excellent lubrication properties at high operating temperatures. The very latest technology additive system minimizes friction between the sliding material (in particular PEEK) and track, and protects chain components from wear. The special anti-oxidant combination inhibits thermo-oxidative degradation ensuring that chains are kept free from carbon deposit build-up delivering reduced drive torque, consistent high speed operation and extended intervals between cleaning.

Metachain PF-35 is specifically formulated with food grade esters and additives and complies with NSF H-1 requirements.

Metachain PF products are suitable for use on all sliding and rolling chain designs operating at speeds in excess of 450 metres per minute.

Features and benefits

- Excellent resistance to thermo-oxidative degradation minimizes carbon deposit build-up
- Fully synthetic base fluids and anti-wear additives deliver outstanding lubrication reducing drive torque and improving efficiency
- Grades suitable for use on all chain systems
- Metachain PF-35 is an NSF H-1 food grade lubricant (NSF registration number 155892)

Global specialists in high-performance lubricants

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Company registration number: 2263118; Company registered in England VAT registration number GB108244927000



Cert No 2367QM8001



Metachain PF

Recommended instructions for use

Metachain PF products should be used as supplied. Lubrication systems should ideally be drained and flushed prior to introduction of new oil. For optimal results chains and tracks should be cleaned during change-over.

Pack sizes

200 ltr drums and 1000 ltr IBC

Technical data (typical values)

Property	Test method	PF-11	PF-13	PF-22	PF-34	PF-35
Appearance	MSTM 1	Clear yellow fluid	Clear green fluid	Clear yellow fluid	Clear yellow fluid	Clear yellow fluid
Base fluid type	-	Synthetic hydrocarbon and ester	Synthetic hydrocarbon and ester	Synthetic ester	Synthetic ester	Synthetic ester
Kinematic viscosity at 40°C	MSTM 27	345 cSt	350 cSt	220 cSt	400 cSt	220 cSt
Kinematic viscosity at 100°C	MSTM 28	27 cSt	27 cSt	17 cSt	25 cSt	19 cSt
Viscosity Index	-	103	103	79	81	96
Density at 20°C	MSTM 23	0.96 g.cm ⁻³	0.96 g.cm ⁻³	0.97 g.cm ⁻³	0.97 g.cm ⁻³	0.97 g.cm ⁻³
Chain type	-	Sliding	Roller	Sliding	Sliding	Sliding
Speed rating	-	< 350 m/min	-	< 450 m/min	> 450 m/min	> 450 m/min
Operating Temperature	-	-30°C -to +250°C				
Shelf Life	-	3 years				

Storage

Store out of direct sunlight. Storage temperature should be controlled to between 5°C and 35°C.

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The product information in this publication is based on knowledge and experience at the time of printing. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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