

Metachain[™] PF

High performance, synthetic 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 the track and whilst also protecting 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-22 is suitable for use on all sliding chain systems operating at speeds up to 450 meters per minute.

Metachain PF-3X series products are suitable for use on all sliding chain systems operating at speeds in excess of 450 meters per minute.

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

Features and benefits

- Excellent resistance to thermo-oxidative degradation minimises 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)

Recommended instructions for use

Metachain PF range should be used as supplied.

Lubrication systems should ideally be drained and flushed prior to introduction of Metachain products.

Refer to the product safety data sheet for guidance on safe handling, storage and disposal.

Global specialists in high-performance lubricants

Metalube Group Ltd, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester M44 5EG, UK

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Company registration number: 2263118; Company registered in England VAT registration number GB108244927

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Pack sizes

	Code	Pack
PF-22	F501025	200 Ltr drum
PF-32	F505525	200 Ltr drum
PF-34	F506020	1000 Ltr IBC
PF-35	F509825	200 Ltr drum

Storage

Metachain PF range should be stored in original, unopened packaging, out of direct sunlight at temperatures between 5°C and 35°C.

The most up to date shelf-life information for Metalube products can be found on the certificate of analysis issued at the time of manufacture.

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Technical data

Property	Test method	PF-22	PF-32	PF-34	PF-35
Appearance	MSTM 1	Clear yellow - orange fluid			
Base fluid type	-	Synthetic ester			
Kinematic Viscosity at 40°C	MSTM 27	220 cSt	227 cSt	400 cSt	219 cSt
Kinematic Viscosity at 100°C	MSTM 27	17 cSt	19 cSt	25 cSt	19 cSt
Density at 20°C	MSTM 23	0.98 g.cm ⁻³	0.98 g.cm ⁻³	0.97 g.cm ⁻³	0.97 g.cm ⁻³
Viscosity Index	ISO 2909	79	95	81	96
Noack Evaporation Loss	MSTM 91	0.9%	0.7%	0.7%	0.5%
Speed rating (m/min)	-	< 450	> 450	> 450	> 450
Operating temperature	-	-30°C to + 250°C			

Note: these values are typical only and do not constitute a specification

Limited warranty information

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. We accept no liability for any loss and/or damage arising from a failure to store our products in accordance with the information contained in this technical sheet.

Metalube Group's sole warranty is that our products will meet their quality control specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

To the fullest extent permitted by applicable law, Metalube Group specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Metalube Group disclaims liability for any incidental or consequential damages.

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