



A Subsidiary of PETRONAS Chemicals Group

PRODUCT DATA SHEET

Petrolad[®] 485 FT

Tackifier Additive

BRB Lube oil Additives & Chemicals

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Tackifier Additive



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Product Description



Petrolad® 485 FT is a concentrated tacky resin solution that provides superior tackifying properties to mineral oils. This additive is a clear liquid even at low temperature (>5 °C) and can be easily dissolved in a large range of base oils. It is specifically formulated for mineral oil based lubricants for various applications, including:

- Wire rope & chain lubricants;
- Rust preventives;
- Chain-saw & slideway lubricants;
- Rock-drilling oils;
- Rail curve greases;
- Sealants;
- Anti-misting agents for neat metalworking fluids.

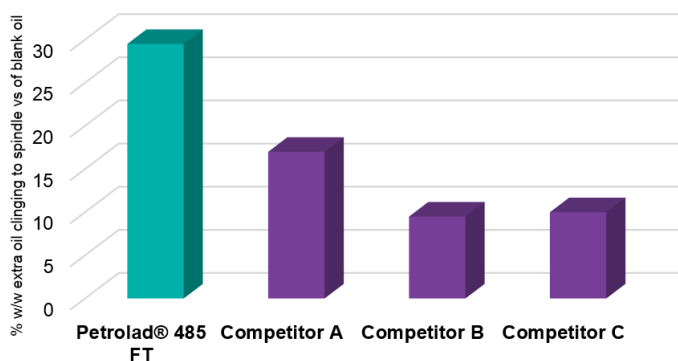
Benefits

- A significant higher-performing tacky additive compared to known competitive products, enabling much lower treat rate to achieve equivalent tackiness properties;
- It quickly & easily dissolves in mineral oil lubricant formulations. It is soluble in paraffinic and naphthenic oils, PAOs, polyisobutylenes & some esters, e.g. trimellitates, & di-tridecyl adipate (DTDA);
- Excellent performance in the cling and string test, vs the competition.

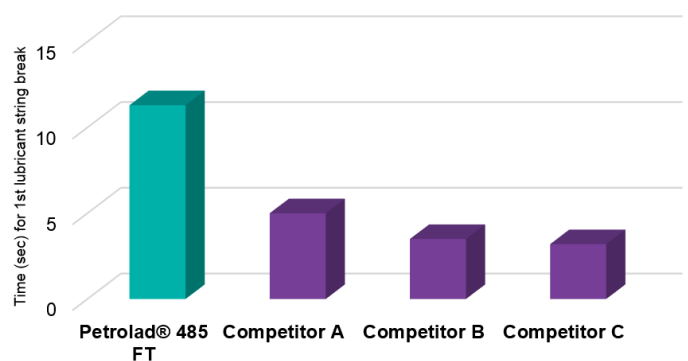
Performance

Petrolad® 485 FT can typically be used at a treat rate of 0.15 – 1.00 % w/w. Please refer to the separate Product File for a more detailed explanation of the test setups for the below results:

Cling Test Results @ 0.5% w/w Tackifier Additive Based
Mineral Oils in Brookfield Viscometer No. 1 Setup.



String Test Results @ 0.5% w/w Tackifier Additive Based
Mineral Oils in Brookfield Viscometer No. 1 Setup.



The average percentage oil retained was recorded and results show that the 1.00 % w/w of Petrolad® 485 FT is equivalent to the 2.00 % w/w of a rival product.

Half as much Petrolad® 485 FT is required to provide the same tackiness of the competing product.

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Typical Data

Parameter	Method	Unit	Typical
Appearance	Visual	-	Pale to medium yellow liquid
Density @ 15 °C	ASTM D4052	g/cm ³	0,90
Flash point	ASTM D93	°C	>160
Viscosity @ 100 °C	IHTM (No. 3 Spindle, 12 rpm)	cP	~7 500

Handling & Storage

Minimum storage temperature is 20 – 25 °C.

Maximum prolonged storage temperature is 80 °C.

Maximum blending temperature is 100 °C.

As with all tackifier additives, **Petrolad® 485 FT** is recommended for oils that are operating at normal ambient temperatures, which may vary from 0 °C to 45 °C, depending on the country. For these operating temperatures, **Petrolad® 485 FT** can be dosed in a range of 0.15 to 1.00 % w/w.

In general, usage of tacky additives at elevated temperatures is not recommended as the tacky performance decreases at higher temperatures (above 60 °C).

It is possible to advise an increased treat rate for **Petrolad® 485 FT** (almost 3 % w/w) at temperatures above 60 °C, depending on the application and process conditions.

An MSDS is available upon request.

FOR MORE INFORMATION

Please contact

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IMPORTANT NOTICE

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