

Lanco™ TF 1780 EFC

Micronized PTFE-Modified Polyethylene Wax – Low PFOA*

Lanco™ TF 1780 EFC provides excellent slip and abrasion resistance in coatings, due to their extremely low coefficients of friction. Based on a combination of PTFE and polyethylene wax, it can be used in solvent-borne and powder coatings. Due to the excellent surface properties and compliance with FDA regulations TF 1780 EFC is especially suited to can and coil coatings. Lanco TF 1780 EFC complies with the ban on PFOA* under the Stockholm Convention on Persistent Organic Pollutants (POPs).

FEATURES AND BENEFITS

- Abrasion Resistance
- Block Resistance
- Mar Resistance
- Scratch Resistance

CHARACTERISTICS

Characteristic Name	Value
Acid Number (mg KOH/g)	< 1
Addition Levels (% on total formula)	0.5 to 2.0%
Appearance	Free flowing white powder
Chemical Type	PTFE / Polyethylene wax
Density (g/cm ³ @ 20°C)	1.07
Hardness (ASTM D-1321)	2
Incorporation Recommendations	Lanco TF 1780EFC can be easily dispersed into liquid coating formulations using low speed mixers. In low viscosity systems, high speed dispersion may improve incorporation.
Melting Point (°C)	102
Particle Size Dv50 (µm)	< 5
Particle Size Dv90 (µm)	< 10

REGULATORY

- Low PFOA²

²Not intentionally added nor expected to be present above limit values specified in Annex I of Regulation (EU) 2019/1021 adding PFOA, its salts and related substances under the Stockholm Convention on POPs effective July 4th 2020.

APPLICATIONS

- Building & Construction Coatings
- Industrial OEM Coatings
- Analog Printing Coatings
- Analog Printing Inks

AVAILABLE REGIONS

- Asia Pacific
- EMEA
- Latin America
- North America

RECOMMENDED STORAGE AND RE-TEST DATE

Lubrizol recommends retesting quality after 1,825 days. See SDS for storage conditions and handling instructions.

REGULATORY STATUS

Please see the product's current material safety data sheet, SDS, for regulatory information. You can request an SDS at www.lubrizol.com/coatings.

Should you have questions on additional topics, please feel free to contact your Lubrizol representative or one of our regional Customer Assistance groups listed here:

America: AmerLZAMCustomerAssistance@Lubrizol.com | Europe: EMEAICustomerAssistance@Lubrizol.com |

Asia: APCustomerAssistance@Lubrizol.com | Brazil: BrazilQualityLZAM@Lubrizol.com

DISCLAIMER

Lubrizol Advanced Materials, Inc. ("Lubrizol") hopes that you have found the information provided helpful, but you are cautioned that this material, including any prototype formulas, is for informational purposes only and you are solely responsible for making your own assessment of appropriate use of the information. **TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAWS, LUBRIZOL MAKES NO REPRESENTATIONS, GUARANTEES, OR WARRANTIES (WHETHER EXPRESS, IMPLIED, STATUTORY, OR OTHERWISE), INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR REGARDING THE COMPLETENESS, ACCURACY, OR TIMELINESS OF ANY INFORMATION.** Lubrizol does not guarantee how the materials referenced herein will perform in combination with other substances, in any methods, conditions, or processes, with any equipment, or in non-laboratory environments. **BEFORE COMMERCIALIZATION OF ANY PRODUCT CONTAINING THESE MATERIALS, YOU SHOULD THOROUGHLY TEST SUCH PRODUCT, INCLUDING HOW THE PRODUCT IS PACKAGED, TO DETERMINE ITS**

PERFORMANCE, EFFICACY, AND SAFETY. You are solely responsible for the performance, efficacy, and safety of any products you manufacture. Lubrizol shall not be liable, and you shall assume all risk and responsibility for, any use or handling of any material. Any claims may not be approved in all jurisdictions. Any entity making claims related to these products is responsible for complying with local laws and regulations. Nothing contained herein is to be considered as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner, and it is your sole responsibility to determine if any issues related to patent infringement of any component or combination of components relating to the information provided exists. You acknowledge and agree that you are using the information provided herein at your own risk. If you are dissatisfied with the information provided by Lubrizol, your exclusive remedy shall be to not use the information.

COPYRIGHTS

Trademarks owned by The Lubrizol Corporation or its affiliates. © The Lubrizol Corporation 2022, All Rights Reserved.