



Merginat ELO

PRODUCT INFORMATION

Product Description

Merginat ELO is an oleochemical epoxy compound on the basis of linseed oil.

Typical Parameters

Oxirane Content [%]	8.5 - 9.5
Acid Value [mg KOH/g]	Max. 1
Viscosity at 25°C [mPa*s]	700 – 1 300
Iodine Value [g I ₂ /100g]	Max. 7
Colour [Gardner]	Max. 4.5
Biobased carbon content ¹⁾ [%]	100

¹⁾ Measure of the amount of biomass-derived carbon in a product compared to its total carbon content

Application and Properties

Merginat ELO is used in cationic curable inks and coatings. The application is characterized by following properties:

- Improvement of the coating flexibility
- higher impact resistance
- good gloss

Storage advices

When Merginat ELO is stored at temperatures lower than room temperature it tends to form "clouds" and deposited. This is due to the solidifying point. At temperatures around 3 °C or lower it can get pasty-solid. The exact behaviour in cold conditions is given by nature and not predictable. Amongst other things this can depend on the roughness of packaging material. This is a product specific, physical-only property that can be reversed by heating up to around 40 - 50 °C whilst stirring. This properties and the handling do not have any influence on the efficacy and the product properties relevant for application.

Therefore we recommend to store Merginat ELO at room temperature or above (up to 40 °C) and to protect it against heat or frost. In addition, we recommend to heat and homogenize before usage. Sealed Merginat ELO is at least 12 months storable. Usually storage up to 24 months is unproblematic.

Disclaimer

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