



Print this page **Advanced Surface Solutions**

**Additives**

## Licolub® WE 4 powder

**Edition Date** May 11, 2015 **Edition Number** 10

### Ester of montanic acids

#### Product Description

Licolub WE 4 powder is an ester of montanic acids with a polyol. Due to its polar center and the long, non-polar hydrocarbon chains, Licolub WE 4 powder combines internal and primarily external lubrication effects in the processing of engineering resins and PVC, especially in Polyester compounds. In calendering of rigid PVC films Licolub WE 4 powder offers excellent lubrication properties at high thermal stability and low volatility.

#### Benefits

- Combines internal and external lubrication effects in PVC and engineering resins
- Low volatility
- High thermal stability
- Low migration tendency
- Highly efficient lubricant for PVC calendering, outperforming conventional Fatty acid complex ester

#### Specifications

##### Delivery Specifications and (\*) General Properties

Characteristics	Unit	Target value	Test method
<b>Appearance</b>		yellowish powder	QM-AA-634
<b>Acid value</b>	[mg KOH/g]	22 - 29	ISO 2114
<b>Saponification value</b>	[mg KOH/g]	130 - 160	ISO 3681
<b>Drop point</b>	[°C]	79 - 81	ISO 2176
<b>*Viscosity</b>	[mPa·s]	~ 60	DIN 53019 at 100°C
<b>*Density (23°C)</b>	[g/cm³]	~ 1,01	ISO 1183

#### Applications

Lubricant for plastics. It is particularly suitable for the production of rigid PVC film and sheet as well as for the improved processing of engineering resins (e.g. polyesters) and their masterbatches.

Its excellent thermal stability and compatibility with polar plastics allows high end processing conditions.

#### Packaging and Handling

##### Delivery form

Powder

##### Packaging

Polyethylene bag 20 kg  
Pallet 1000 kg (50 bags)

##### Storage

For best shelf life store this product in a dry area at normal ambient temperatures. Minimum shelf life is 2 years from the date of shipping when properly stored.

#### Safety

##### Hazard

The product does not require a hazard warning label according to CLP regulation (Regulation (EC) No. 1272/2008, as amended). For further information please refer to the Material Safety Data Sheet.

**Contact Us;**

Please contact us for safety and regulatory details or the Material Safety Data Sheet (MSDS).

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