

## LUBDE 180

<b>Description</b>	High molecular, multi-component ester	
<b>Appearance</b>	Light yellowish, viscous liquid	
<b>Technical Data</b>	Acid value	0 - 12 mg KOH/g
	Saponification value	258 - 272 mg KOH/g
	Refractive index <sub>20° C</sub>	1.476 - 1.479
	Lovibond 1"	
	yellow	0 - 30
	red	0 - 4
<b>Further Details</b>	Viscosity, 20 ° C	1200 - 1800 mPa

**Applications** With its good thermostability and low volatility this ester type is an excellent processing agent for thermoplastics, which are processed at high temperatures.

In the injection moulding, the cycle time is determined to a high extent by the cooling time, which accounts for more than 80 % of the cycle time, when processing parts with a wall thickness of more than 2.5 mm.

By adding 0.2 to 0.5 % LUBDE 180 to polyamide or thermoplastic polyurethane, it is possible to release the moulded parts at a higher temperature without adhesion or sticking, which leads to an increase in productivity.

Besides LUBDE 180 is an effective lubricant for polyolefins and ABS plastics when added in a quantity between 0.5 to 1.0 %. The polymer melt is prevented from adhering to the hot surfaces which leads to an increase in productivity.

### Analysis methods

Acid value	DIN 53402
Saponification value	DIN 53401
Refractive index	DIN 51423
Lovibond 1"	
yellow	DGF standard method C-IV 4b
red	DGF standard method C-IV 4b

## **Storage**

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It is recommended to store LUBDE 180 at room temperature and to protect against the effects of heat and frost. If stored in sealed original containers, LUBDE 180 will keep for at least 24 months.