

# Product Data Sheet

## Lucowax®1705

### 1. Product description

Lucowax®1705 is a Fischer-Tropsch wax.

### 2. Product properties

Lucowax®1705 is an additive for modification of bitumen or asphalt (construction industry).

Lucowax®1705 can also be used as an additive for the modification of plastics, hot melts, inks or for coating applications.

### 3. Product advantages

Small quantities of Lucowax®1705 can:

- reduce viscosity and thus improve the compressibility of asphalts
- reduce penetration
- improve water resistance
- increase the plasticity range and thus improves the deformation resistance of asphalt especially at high temperatures

### 4. Applications

Lucowax®1705 can be added directly to bitumen, asphalt or plastics, hot melts, inks or for coating applications as additive.

### 5. Storage and handling

Bulk quantities liquid in heated trucks  
 smaller quantities as solid wax in octabins

Solid Lucowax®1705 should be stored under dry conditions at a temperature below 40 °C and protected from UV-light.

Storage time in excess of 6 months may have a negative impact on the processability of the product. We strongly recommend to use the material latest within 6 months after delivery.

Use beyond the recommended shelf-life. The product should be inspected according to quality assurance measures to ensure product's performance.

Otherwise degradation may occur resulting in odor generation and color changes.

### Technical Data

	Method	Unit	Standard value
Density (20 °C)		g/ml	0,5 - 1,0
Solidification point	DIN ISO 2207	°C	100 - 106
Drop point	Mettler 1K/min	°C	114 - 120
Needle Penetration (25 °C)	DIN 51579	1/10 mm	0 - 2
Needle Penetration (65 °C)	DIN 51579	1/10 mm	0 - 12
Saybolt Color	ASTM D 156	-	0 - 30
Kin. Viscosity (130 °C)	DIN 51562 - 1	mm <sup>2</sup> /s	15 - 20
Flash point (closed cup)		°C	> 150

#### Note

These standard values are typical values and should not be regarded as specifications.

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