

Technical Data Sheet

STRUKTOL® AW 1

Composition

Synthetic ester plasticiser

Properties

Appearance		Colourless to slightly yellowish liquid
Density	[kg/m ³]	1080
Dyn. viscosity at 20 °C	[mPas]	140
Pour point	[°C]	15
Evaporation loss (2 h/160 °C)	[%]	5
Physiological behaviour		Refer to safety data sheet
Storage stability		At least 24 months under normal storage conditions
Packaging		200 kg drums

Solubility

STRUKTOL® AW 1 is incompatible with aliphatic and aromatic hydrocarbons, oils and greases.



Recommendations for Application

STRUKTOL® AW 1 is a special purpose synthetic plasticiser mainly used in compounds based on nitrile rubber. The decreased compound viscosity facilitates further processing.

STRUKTOL® AW 1 is an antistatic plasticiser for mineral-filled NBR-, SBR- and NR-compounds. A surface resistance as low as 1×10^6 ohm can be achieved for NBR-based vulcanizates.

Partial crystallization and viscosity increase may occur at low temperatures, but should be eliminated by briefly heating to approx. 60 °C and subsequent stirring.

Long-term exposure to light should be avoided.

Dosage

5 – 20 phr



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