

Technical Data Sheet

STRUKTOL® MR 187

Mandrel Release Agent for the Manufacture of Hoses

Composition

Mixture of water-soluble polymers

Properties

Appearance		Amber, slightly cloudy liquid
Density at 20 °C	[kg/m ³]	1100
Viscosity at 20 °C	[mPas]	3500
Pour point	[°C]	0 - 5
Physiological behaviour		Refer to safety data sheet
Storage stability		At least 24 months under normal storage conditions. Protect from frost!
Packaging		200 kg drums 1000 kg IBC





Recommendations for Application

STRUKTOL® MR 187 is a silicone-free anti-tack agent and external lubricant for rubber processing.

STRUKTOL® MR 187 has been especially designed as a mandrel release agent for EPDM hoses, but can be used successfully as lubricant for cured rubber articles as well.

STRUKTOL® MR 187 is thermally stable and does not form resinous or coke-like deposits on the mandrel even after repeated curing cycles.

STRUKTOL® MR 187 has only a very small swelling effect on EPDM and other common elastomers such as NR and SBR (not suited for ECO).

STRUKTOL® MR 187 offers unlimited miscibility with water and can therefore be rinsed away easily after application.

We recommend a wash water temperature of 20 °C to 40 °C; an addition of detergents is not necessary. Cooler water can also be used but this will prolong the time needed for the washing operation. (At 10 °C necessary washing time will be approx. 3 times longer than at 40 °C.) The temperature of the washing water should not exceed 55 °C as then the solubility of the STRUKTOL® MR 187 in the water rapidly decreases.

STRUKTOL® MR 187 is very well biodegradable in sewage treatment facilities.

STRUKTOL® MR 187 should not be stored at temperatures below 0 °C since it may freeze. Frozen product is to be melted at moderate temperatures (approx. 40–50 °C) and stirred afterwards.





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