

## Technical Data Sheet

**STRUKTOL® MR 187**

Mandrel Release Agent for the Manufacture of EPDM Hoses

**Composition**

Mixture of water-soluble polymers

**Properties**

Appearance		amber, slightly cloudy liquid
Density at 20 °C	[kg/m <sup>3</sup> ]	1100
Viscosity at 20 °C	[mPa·s]	3500
Pour point	[°C]	0 - 5
Physiological behaviour		refer to safety data sheet
Storage stability		at least 1 year under normal storage conditions Protect from frost!
Packing		200 kg drums, 1000 kg IBC

The data given are typical values which are not intended for use in preparing specifications. For test methods refer to the corresponding supplement.



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## **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.

The suggestions for application and usage of our products as well as possible proposed formulations are meant to advise only to the best of our knowledge. This information is without obligation and does not release customers from their own testings to ensure suitability for intended processes and use. Liability is only accepted in case of intention or gross negligence. Liability for any defects caused by minor negligence are not accepted. Each producer is responsible and liable to observe legislation and patent rights of third parties.

This new leaflet replaces all previously printed documentation.

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