



Technical Data Sheet

STRUKSILON F 531

Composition

Amine modified silicone polymer

Properties

Appearance		colourless liquid
Density at 20 °C	[kg/m ³]	970
Viscosity at 25 °C	[mm ² /s]	1000
Amine number		0.3
pH value		8 (1 : 1 with water)
Physiological behaviour		refer to safety data sheet
Storage stability		at least 12 months under exclusion of moisture
Package		200 kg PE drums

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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Recommendation of Application

STRUKSILON F 531 is usually used as soft handle agent for textiles. In order to ensure a correct application in the padding machine or in the exhaust process the product is generally used as an emulsion; but it can also be used as a solution in aliphatic hydrocarbons. The product can be used for the manufacture of macroemulsions and after formulating it can be mixed easily with organic softening agents.

STRUKSILON F 531 forms an elastomeric film on the textile surface when exposed to humidity of the air especially at higher temperatures, which conveys a pleasantly soft handle and improves elasticity of the textile. Also gloss, ability to be sewed and crease resistance are influenced positively.

The product has no tendency to yellowing and provides water repellency. STRUKSILON F 531 is readily absorbed due to the high substantivity.

Proposal for emulsifying of a micro emulsion

1.	7.5	%	Isotridecanol ethoxylate (5 EO)
2.	0.3	%	acetic acid
3.	1.0	%	1,2 dihydroxypropane
4.	20.0	%	water
5.	15.0	%	STRUKSILON F 531
6.	56.2	%	water

Mix position 1 to 3. Then add carefully after each other position 4, 5 and 6. Mix all thoroughly.

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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