



## Technical Data Sheet



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## STRUKTOL® WS 180

Processing Additive based on Organosilicones

### Composition

Condensation product of fatty acid derivatives and silicones

### Properties

|                         |                      |  |
|-------------------------|----------------------|--|
| Appearance              |                      | Beige pastilles                                    |
| Density                 | [kg/m <sup>3</sup> ] | 990  |
| Bulk density            | [kg/m <sup>3</sup> ] | 550  |
| Dropping point          | [°C]                 | 88   |
| Physiological behaviour |                      | Refer to safety data sheet                         |
| Storage stability       |                      | At least 18 months under normal storage conditions |
| Packaging               |                      | 20 kg bags   |



## Recommendations for Application

STRUKTOL® WS 180 is a new concept in processing additives based on organosilicones which in many applications shows superior performance compared to conventional products. This new organosilicone is highly compatible with rubber compounds. This enables utilization of the highly efficient lubrication effects of silicone without exudation or bloom. Limited compatibility can occasionally be observed with compounds having a low filler content and/or a very high cross-link density.

In a unique way, it improves flow properties and release behaviour in the processing of rubber as well as mould release of vulcanisates.

STRUKTOL® WS 180 leads to best results in the processing of both special (e.g. ACM, ECO) and standard elastomers showing most advantageous effects, lowering viscosity, improving mill release and helping to solve mould release problems. It has an extremely low peroxide demand and has practically no effect on physical properties.

## Dosage

0.5 – 3 phr

It should be noted that, compared to usual processing additives, the same results can be achieved with lower dosages.



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