

Technical Data Sheet

STRUKTOL® WS 280

Processing Additive based on Organosilicones



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Composition

Condensation product of special fatty acid derivatives and silicones (75 %) on inorganic carrier (25 %)

Properties

| | | |
|-------------------------|----------------------|--|
| Appearance | | Crumbly powder |
| Density | [kg/m ³] | 1200 |
| Bulk density | [kg/m ³] | 470 |
| Physiological behaviour | | Refer to safety data sheet |
| Storage stability | | At least 18 months under normal storage conditions |
| Packaging | | 20 kg bags |

STRUKTOL® WS 280 is also available with 100 % active ingredient as STRUKTOL® WS 280 Paste.



Recommendations for Application

STRUKTOL® WS 280 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 utilisation 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-linking 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 280 has extremely low volatility at high temperatures and is particularly suitable for FKM compounds. It gives excellent release properties on mixing machinery, exceptionally good flow properties and reduces mould fouling. STRUKTOL® WS 280 does not only give better extrusion properties, but is excellent also for injection moulding.

Dosage

0.5 – 2 phr

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



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