Technical Data Sheet

STRUKTOL® WS 180

Processing Additive based on Organosilicones

Composition

Condensation product of fatty acid derivatives and silicones.

Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>beige pastilles</td>
</tr>
<tr>
<td>Density [kg/m³]</td>
<td>990</td>
</tr>
<tr>
<td>Bulk density [kg/m³]</td>
<td>550</td>
</tr>
<tr>
<td>Dropping point [°C]</td>
<td>88</td>
</tr>
</tbody>
</table>

Physiological behaviour refer to safety data sheet

Storage stability at least 18 months under normal storage conditions

Packing 20 kg bags

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

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.

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. Alterations reserved. 07/2019