

TECHNICAL INFORMATION

Revision: 1
Date: 06.11.2014
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NEWOTEC[®] 312

Product Category:	Dispersing agent for PVC pastes												
Fields of Application:	Filled PVC formulations, especially with high filler load												
Product Characteristics:	<ul style="list-style-type: none">➤ low volatile and low-VOC➤ free of APEO and phthalates												
Chemical Composition:	Mixture containing phosphate esters and long-chain fatty acid esters												
Technical Data:	<table><tr><td>Appearance (20 °C):</td><td>yellowish liquid</td></tr><tr><td>Active content:</td><td>100%</td></tr><tr><td>Flash point:</td><td>>150 °C</td></tr><tr><td>Boiling range:</td><td>>250 °C</td></tr><tr><td>Solidification range:</td><td>< 0°C</td></tr><tr><td>Compatibility:</td><td>compatible with all commonly used PVC paste formulations within the recommended concentration range</td></tr></table>	Appearance (20 °C):	yellowish liquid	Active content:	100%	Flash point:	>150 °C	Boiling range:	>250 °C	Solidification range:	< 0°C	Compatibility:	compatible with all commonly used PVC paste formulations within the recommended concentration range
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Packaging:	drum / IBC / bulk												
Use concentration:	<table><tr><td>lowest:</td><td>1% referring to the weight of the <u>filler</u> content</td></tr><tr><td>highest:</td><td>4 phr in the paste</td></tr></table>	lowest:	1% referring to the weight of the <u>filler</u> content	highest:	4 phr in the paste								
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We strongly recommend to carry out own lab tests in order to determine the optimum dosage, especially when more than 4 phr are added.

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Application:

NEWOTEC[®] 312 must be added to the liquid components during the preparation of the paste. The paste will then maintain a reduced viscosity when the filler or other solid ingredients are added.

NEWOTEC[®] 312 leads to a homogeneous dispersion of solids in the paste, prevents the formation of agglomerates and guarantees a free-flowing paste in production.

Further Information:

NEWOTEC[®] 312 does not significantly affect the heat stability of common PVC paste formulations under common processing conditions.

The data in this technical information are derived from practical experience. They do not guarantee specific product properties or the suitability of the product for particular applications. Lab or pilot tests should be carried out in any case. Due to many different possible process conditions we cannot assume any liability. Any existing industrial patent rights have to be respected. Additional information on product properties pertaining to working safety as well as environmental protection can be found in the material safety data sheet.