

TECHNICAL INFORMATION

Revision: 1
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NEWOTEC[®] 511

Product Category:	Rheological additive												
Fields of Application:	Solvent based and aqueous plastic formulations												
Product Characteristics:	<ul style="list-style-type: none">➤ free of NMP➤ rheology modifier with shear thinning and thixotropic properties➤ anti-settling agent												
Chemical Composition:	Mixture containing derivatives of urea, dimethylsulfoxide and inorganic salts												
Technical Data:	<table><tr><td>Appearance (20 °C):</td><td>yellowish liquid</td></tr><tr><td>Active content:</td><td>100% (approx. 50% non-volatile matter)</td></tr><tr><td>Flash point:</td><td>approx. 85°C</td></tr><tr><td>Boiling range:</td><td>>190°C (thermal decomposition)</td></tr><tr><td>Solidification range:</td><td>approx. 18°C</td></tr><tr><td>Compatibility:</td><td>compatible with most solvent based organic plastic formulations</td></tr></table>	Appearance (20 °C):	yellowish liquid	Active content:	100% (approx. 50% non-volatile matter)	Flash point:	approx. 85°C	Boiling range:	>190°C (thermal decomposition)	Solidification range:	approx. 18°C	Compatibility:	compatible with most solvent based organic plastic formulations
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Packaging:	drum / IBC												
Use concentration:	<p>Recommended addition level is 0.5 to 3.0%, calculated on the weight of the ready-mixed formulation.</p> <p>We strongly recommend to carry out own lab tests in order to determine the optimum dosage, especially when more than 3.0% are added.</p>												

NEWOTEC® 511

Application:

NEWOTEC® 511 must be added slowly under low/medium shear mixing. High shear rates during addition must be avoided as they may result in a poor effect.

Therefore, NEWOTEC® 511 should always be added to the ready-mixed formulation. Do not process the formulation on grinding mills or with high shear rates after the addition of NEWOTEC® 511.

Further Information:

Pilot or lab tests must be carried out in any case! The performance of the product is depending very much on the composition of the plastic formulation and the solvents used.

After use reseal the containers tightly to avoid the absorption of moisture as it may cause crystallization!

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.