

TECHNICAL INFORMATION

Revision: 1
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NEWOPLAST[®] 705

Product Category:	Gelling catalyst for PVC formulations												
Fields of Application:	All kinds of PVC formulations												
Product Characteristics:	<ul style="list-style-type: none">➤ accelerates the gelling process of PVC formulations➤ low volatile and low-VOC➤ free of APEO and phthalates												
Chemical Composition:	Mixture containing benzoic acid esters, long-chain fatty acid esters and phosphate 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>>120 °C</td></tr><tr><td>Boiling range:</td><td>>220 °C</td></tr><tr><td>Solidification range:</td><td>< 0 °C</td></tr><tr><td>Compatibility:</td><td>compatible with all commonly used PVC formulations within the recommended concentration range</td></tr></table>	Appearance (20 °C):	yellowish liquid	Active content:	100%	Flash point:	>120 °C	Boiling range:	>220 °C	Solidification range:	< 0 °C	Compatibility:	compatible with all commonly used PVC formulations within the recommended concentration range
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Packaging:	drum / IBC												
Use concentration:	Recommended addition level is 4 to 8 phr. We strongly recommend to carry out own lab tests in order to determine the optimum dosage, especially when more than 8 phr are added.												

NEWOPLAST[®] 705

Application:

Being a gelling catalyst, NEWOPLAST[®] 705 reduces the gelling time as well as the gelling temperature of PVC formulations.

PVC formulations containing NEWOPLAST[®] 705 can be processed at approximately 10°C lower temperature than usual, or the processing speed can be increased. In both cases a higher productivity is the result.

How to incorporate NEWOPLAST[®] 705 into PVC formulations:

In PVC pastes, it can be added at any stage of the mixing process. However, it is recommended to premix it with the liquid components before adding the PVC powder and other solid components.

In dryblends or compounds, it should be premixed with the liquid components before blending them with the PVC powder.

Further Information:

NEWOPLAST[®] 705 has an additional dispersing effect on fillers in paste formulations which leads to a reduced viscosity of filled pastes and a homogeneous distribution of the filler in the final product.

Being a fast gelling plasticizer, NEWOPLAST[®] 705 has a strong plasticizing effect and can replace the same amount of the standard plasticizer(s) in the formulation.

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.