

NEWOPLAST[®] 331

Product Category:	Fast fusing co-plasticizer and gelling catalyst for flexible PVC	
Fields of Application:	All kinds of PVC formulations	
Product Characteristics:	➤ accelerates the gelling process of PVC formulations ➤ reduces the gelling temperature of PVC formulations ➤ lower viscosity compared to standard plasticizers ➤ phthalate-free	
Chemical Composition:	Mixture containing benzoic acid esters, long-chain fatty acid esters and phosphoric acid esters	
Technical Data:	Appearance (20 °C):	yellowish liquid
	Active content:	100%
	Flash point:	>100 °C
	Boiling range:	>230 °C
	Solidification range:	< 0 °C
	Compatibility:	compatible with many PVC formulations within the recommended concentration range
Storage:	Shelf life:	in originally sealed drums, approximately one year from the date of delivery under the conditions recommended below
	Storage Conditions:	Recommended storage temperature: min +3°C, max +40 °C Protect from moisture Frost resistant
Packaging:	drum / IBC	
Use concentration:	Recommended addition level is 1 to 10 phr	
	We recommend to carry out own lab tests in any case to determine the optimum dosage, especially when the highest recommended use concentration is exceeded!	

NEWOPLAST[®] 331

Application:

NEWOPLAST[®] 331 is a low-viscous co-plasticizer and gelling catalyst. It reduces the gelling time as well as the gelling temperature of PVC formulations. It should always be used together with a standard plasticizer. The addition of 10phr NEWOPLAST[®] 331 lowers the viscosity of PVC pastes significantly and reduces the gelling temperature by approx. 10°C. The amount of standard plasticizer can be reduced at least by the same amount of NEWOPLAST[®] 331 added.

How to incorporate NEWOPLAST[®] 331 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[®] 331 does not significantly affect the heat stability of PVC.

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.