

## NEWOPLAST<sup>®</sup> 711

<b>Product Category:</b>	Fast fusing co-plasticizer and gelling catalyst for flexible PVC												
<b>Fields of Application:</b>	All kinds of PVC formulations												
<b>Product Characteristics:</b>	<ul style="list-style-type: none"><li>➤ accelerates the gelling process of PVC formulations</li><li>➤ reduces the gelling temperature of PVC formulations</li><li>➤ lower VOC emissions compared to other fast fusing plasticizers</li><li>➤ lower viscosity compared to standard plasticizers</li><li>➤ good deaerating properties</li><li>➤ phthalate-free</li></ul>												
<b>Chemical Composition:</b>	Mixture containing benzoic acid di-esters, long-chain fatty acid esters and salts of phosphoric acid esters												
<b>Technical Data:</b>	<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>&gt;150 °C</td></tr><tr><td>Boiling range:</td><td>&gt;250 °C</td></tr><tr><td>Solidification range:</td><td>&lt; 0 °C</td></tr><tr><td>Compatibility:</td><td>compatible with many PVC 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 many PVC formulations within the recommended concentration range
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<b>Packaging:</b>	drum / IBC												
<b>Use concentration:</b>	Recommended addition level is 5 to 10 phr  We recommend to carry out own lab tests in any case to determine the optimum dosage, and especially when the recommended upper limit is exceeded.												

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### Application:

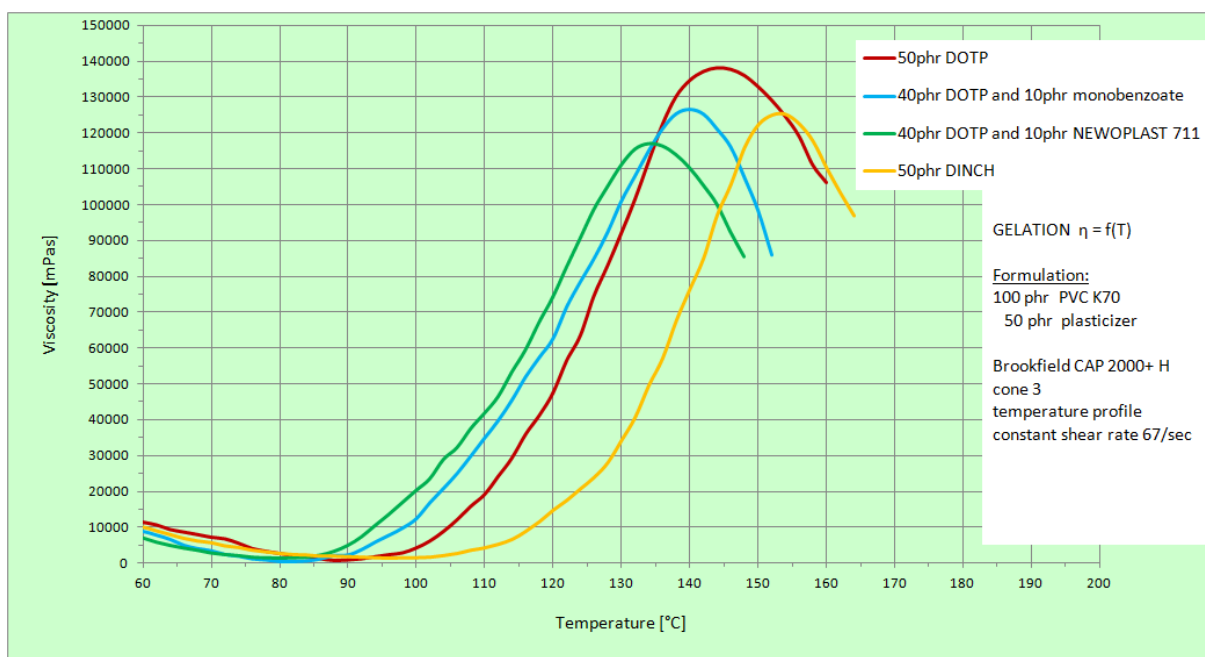
NEWOPLAST<sup>®</sup> 711 is a low-viscous co-plasticizer and gelling catalyst. It reduces the gelling time as well as the gelling temperature of PVC formulations. It should always be used together with a standard plasticizer. The addition of 10phr NEWOPLAST<sup>®</sup> 711 lowers the viscosity of PVC 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<sup>®</sup> 711 added (see diagram below).

In comparison to other fast-fusing plasticizers (like mono-benzoates for example), NEWOPLAST<sup>®</sup> 711 causes much lower VOC emissions and, therefore, commends itself to be used also in low-VOC products for indoor applications.

### How to incorporate NEWOPLAST<sup>®</sup> 711 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.



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.