

TECHNICAL INFORMATION

Revision: 0
Date: 03.05.2022
Page: 1/2

NEWOPRINT 144

Product Category:	Aqueous acrylic dispersion	
Fields of Application:	Binders for printing inks	
Product Characteristics:	<ul style="list-style-type: none">➤ excellent resolubility➤ good and fast film formation➤ high resistance against water and alkalis➤ very good transfer	
Chemical Composition:	Aqueous dispersion of carboxylated methacrylic acid esters (anionic)	
Technical Data:	Appearance (20 °C):	yellowish liquid
	Active content:	approx. 35%
	Boiling range:	100 °C (water)
	Solidification range:	0°C (water)
	pH value :	approx. 9
	Glass transition temperature:	approx. 75°C
	Compatibility:	compatible with most anionic printink ink formulations
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 Frost resistant (once frozen, it needs to be warmed up and stirred)
Packaging:	drum / IBC	
Use concentration:	As needed (used as binder for printing ink formulations)	
	We recommend to carry out own lab tests in any case to determine the optimum formulation for your particular application.	

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Revision: 0
Date: 03.05.2022
Page: 2/2

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Application:

NEWOPRINT 144 is used as binder in the formulation of aqueous, anionic printing inks. It is stable against high shear forces, so that all ingredients can be dispersed under high-speed mixing if necessary. The film forming temperature is approx. 45°C. This is also the temperature where NEWOPRINT 144 forms a crack-free film.

Further Information:

NEWOPRINT 144 contains a small amount of dipropylene glycol monomethylether for faster film forming.

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.