

Versamid® PUR 1010

General	A thermoplastic polyurethane resin for flexographic printing ink applications
Key features & benefits	<div>excellent cohesion, flexibility and adhesion to a variety of films</div> <div>excellent solvent release</div> <div>good pigment dispersion capability</div>
Chemical Composition	thermoplastic polyurethane resin in an alcohol/acetate solution blend

Properties

Appearance	transparent, viscous liquid	
Typical characteristics <i>(should not be interpreted as specifications)</i>	Solids	~ 33 – 37%
	Viscosity at 25°C	~ 500 – 1,150 cps
	Gardner color ¹	~ 2 max
	Specific gravity at 25°C	0.89 g/cm ³
	Solvents	1.10 g/cm ³
	1-Propanol	21%
	n-Propyl acetate	44%

¹Gardner Holdt Color at 35% total non-volatiles (TNV) as supplied.

Application

Versamid® PUR 1010 is a 35% solids solution in a solvent blend of n-Propanol and n-Propyl acetate.

Versamid® PUR 1010 is a film former that is soluble in a variety of alcohols and co-solvent (alcohol and hydrocarbon) systems for use in flexographic or gravure lamination inks. Since it is completely dilutable in alcohol, a finished ink can be formulated that will not swell flexographic printing plates.

Versamid® PUR 1010 can be formulated into inks that provide excellent cohesion, flexibility and adhesion to various polyolefin, polyester, polymer coated and metalized films. Inks formulated with Versamid® PUR 1010 exhibit excellent adhesive and cohesive strength in both adhesive and extrusion laminates. In addition, it has sufficient block resistance to be used as a surface printing ink vehicle.

Versamid® PUR 1010 is recommended for applications such as:

- Printing inks for flexographic or gravure applications

Versamid® PUR 1010 TDS EN (10-2019)

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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