

Versamid® PUR 2011

General

A TDI and tin-free, non-reactive, thermoplastic polyurethane resin for printing ink applications

Key features & benefits

excellent hydrolysis resistance & restorability to a variety of substrates
excellent lamination bond strength
good block and heat resistance

Chemical Composition

thermoplastic polyurethane resin

Properties

Appearance

transparent, slightly yellow, viscous liquid

Typical characteristics

(should not be interpreted as specifications)

Solids	~ 33 – 37%
Viscosity at 25°C	~ 500 – 1,500 cps
Gardner color ¹	~ 3 max
Specific gravity at 25°C	0.89 g/cm ³
<u>Solvents</u>	1.10 g/cm ³
1-Propanol	45%
Butyl acetate	20%

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

Application

Versamid® PUR 2011 is a TDI and tin-free, non-reactive thermoplastic polyurethane resin solution. It 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 retort/sterilization lamination inks.

Versamid® PUR 2011 is recommended for applications such as:

- Printing inks for flexographic or gravure applications

Versamid® PUR 2011 can be formulated as a sole binder into packaging lamination inks that provide excellent cohesion, flexibility, adhesion, hydrolysis resistance and retortability (and sterilization) to various specialty chemical coated (SiOx, AlOx) polyester, nylon films and foil. In addition, it has sufficient block and heat resistance and excellent lamination bond strength to be used in a variety of lamination ink systems.

Versamid® PUR 2011 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.

® = registered trademark, ™ = trademark of the BASF Group, unless otherwise noted

BASF East Asia Regional Headquarters Ltd.

45th Floor, Jardine House, No. 1 Connaught Place, Central, Hong Kong