

UMU-185030

Description:

UMU-185030 is a high performance non-reactive aliphatic polyurethane with medium molecular weight. It is a film-forming product with no blocking tendency, even at elevated temperature. The material is tin-free and TDI-free.

It is soluble in ester, ketone and aromatic hydrocarbon type solvents. The material shows excellent compatibility with Nitrocellulose and with PVB and can therefore be formulated with pigment concentrates based on both of these binder systems.

Application:

UMU-185030 is recommended for the use in flexographic and gravure ink formulations. It is especially designed for high-speed printing applications.

The product helps improving adhesion towards PE, OPP, OPA and PET films, it reveals good solvent release, high ink film flexibility, and excellent lamination bond strength.

Heat resistance as well as deep freeze resistance are excellent.

Typical properties:

Property	Typical value
Appearance	Clear to slightly hazy & Colorless to yellowish
Solid content [% w/w]	30 +/-2
Volatile content [% w/w]	68 % ethyl acetate; 4 % n-propanol
Viscosity Brookfield @ 25 °C [mPa·s]	1,000 – 3,000

Storage:

The product should be stored in closed original container at a typical temperature between 0 – 25 °C.

Shelf Life:

The product has a shelf life of at least 9 months from the date of manufacture.

Safety:

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

This Technical Data Sheet can only be of an advisory nature. Our data reflect the latest state of our knowledge and are based on the characteristics established in the laboratory and on practical experience. Because there are many factors under the control of the user which may affect processing or application/use, it is necessary for the user to carry out appropriate tests to determine whether the product is technically and safely suitable for the particular purpose, prior to use. No warranties of any kind, either expressed or implied, are made regarding the product here described. We assume no liability for correctness.