

## Fumaric Resin UFRZ-1121

### Description:

UFRZ-1121 is a fumaric modified rosin resin with very high acid number. It is soluble in alcohol and dilutable in water, with addition of ammonia or amines.

The material leads to improved solvent release, high gloss and very good adhesion.

UFRZ-1121 is compatible with a wider range of binders.

### Application:

UFRZ-1121 is recommended for the use in solvent based as well as for water based flexographic and gravure printing ink and overprint varnish formulations.

The material is also suitable for producing screen inks.

### Typical properties:

Property	Typical value
Colour (Gardner)	Max. 12
Appearance	Amber colour solid flakes
Softening point [°C]	140 - 150
Acid value [mg KOH/g]	280 - 300

\* determined with Ford Cup B4 (50% resin + 50% Ethanol)

### Storage:

It is recommended to store the material under dry conditions and to process it quickly once the bag is opened. Typical storage temperature should be between 15 – 30 °C.

### Shelf Life:

The product has a shelf life of at least 6 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.