

## Polyamide Resin HPR-307

### Description:

HPR-307 is an alcohol soluble polyamide resin. It shows a very good solubility in a wide range of typical alcohols and esters such as Ethanol, n-Propyl Acetate, Butyl Acetate and a good compatibility with other binders such as nitrocellulose, ketonic and epoxy resins. It provides very good pigment wetting and leads to excellent flexibility.

The product is non-irritant to the skin and has a very low odour.

### Application:

HPR-307 is recommended for the use in flexographic and gravure printing ink and coating formulations. Due to its outstanding flexibility the material is recommended for the use in shrink or stretch film applications. Furthermore HPR-307 helps increasing the COF of a printed film and is specifically suitable for the use in anti-slip applications.

It has a very good printability even at higher printing speeds (up to 300 m/min), a fast solvent release and excellent adhesion properties towards BOPP, PE and Cellophane films.

It has excellent resistance to vegetable oils, grease, water and deep freeze temperatures.

### Typical properties:

| Property                 | Typical value   |
|--------------------------|-----------------|
| Appearance               | yellowish solid |
| Odour                    | Low             |
| Softening point [°C]     | 100 – 105       |
| Viscosity* @ 30 °C [sec] | 25 – 30         |
| Amine value [mg KOH/g]   | < 6             |
| Acid value [mg KOH/g]    | < 6             |

\* determined with Ford Cup B4 (50% resin + 35% Ethanol + 15% Ethyl Acetate)

### 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 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.