

## Polyamide Resin HPR-209

### Description:

HPR-209 is a medium viscosity co-solvent soluble polyamide resin. It is well compatible with other typical binders such as nitrocellulose, ketonic and epoxy resins. It reveals 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-209 is recommended for the use in flexographic and gravure printing ink formulations. 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, Cellophane and metalized films.

It has excellent resistance to deep freeze temperatures, gives good gloss values and is resistant to chemicals.

### Typical properties:

Property	Typical value
Appearance	light yellowish solid
Odour	Low
Softening point [°C]	105 – 115
Viscosity* @ 30 °C [sec]	60 – 75
Amine value [mg KOH/g]	< 5
Acid value [mg KOH/g]	< 5

\* determined with Ford Cup B4 (40% Resin + 40% Toluene + 20% Butanol)

### 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.