

Product Data Sheet

NeoRez® R-610

NeoRez® R-610 is an aliphatic urethane dispersion designed for filmic primer applications. The product provides excellent adhesion to a variety of plastic substrates.

Product characteristics

Type - Aliphatic urethane dispersion
Neutralizing agent - Triethylamine
Freeze/thaw stability - Stable

Film properties

- Excellent adhesion to a large variety of substrates
- Very high bond strength and humid seal strength when top coated with a sealable product
- Suitable for various type of top coats (incl. anionic and cationic PVdC, acrylics, urethanes, hybrids)

Recommendation for end-use

- Primer for filmic packaging industry (incl. food packaging)
- Primer for filmic label and graphic applications

Formulating guidelines

- Optimum adhesion can be achieved when substrate is (Corona) treated
- NeoRez® R-610 can be diluted with water in order to apply the required coat weight. At a very low solid content (<5%), addition of a wetting agent might be needed for optimum wetting and adhesion
- For excellent resistances addition of a cross linker (1-5%) (Crosslinker CX-100, Crosslinker CX-300 or water dispersible polyisocyanate) can be recommended
- NeoRez® R-610 is not block-free and needs to be top coated in-line

Delivery form: 28 % solids in water.

Product specifications

| Property | Range | Unit | GAP |
|-----------------------|----------------------|-------|------|
| Appearance | Pinkish, hazy liquid | | 0059 |
| Total solids w/w | 27.0 - 29.0 | % | 0001 |
| pH | 8.2 - 9.3 | | 0016 |
| Visc. Brookfield 25°C | 10 - 200 | mPa.s | 0020 |

Other product data

| Property | Value | Unit | GAP |
|----------------------------------|--------|------|------|
| Density 20°C | ± 1.05 | kg/l | 0006 |
| Neutralizing agent Triethylamine | ± 1.1 | % | |
| VOC (theoretical) | ± 1.1 | % | |
| Preservative(s): | | | |
| BIT (casno. 2634-33-5) | 0.009 | % | 0222 |

Test methods

Test methods (GAP) referred to in the table(s) are available on request.

Storage guidelines

The resin should be stored indoors in original, unopened, undamaged container in a dry place at storage temperature between 5- 40 °C. Exposure to direct sunlight should be avoided.

Shelf life

Under above mentioned storage conditions, the shelf life of the resin will be 12 months ex work.

Material safety

A Material Safety Data Sheet for this product is available on request.