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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.

Delivery form: 28 % solids in water.

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

Product specifications

Property	Range	Unit	GAP
Appearance	Pinkish, hazy liq	uid	0059
Total solids w/w	27.0 - 29.0	%	0001
рН	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	± 1.1	%		
Triethylamine				
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.

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