Product code: 402694

DOMOPUR 0632 38 Wa

Solvent-free Polyurethane Dispersion

Specification:

Property	Range	Method / According to standard
Non-volatile matter	37 - 39%	MH1155 / ISO 3251
Viscosity, 23 ºC	10 - 500 mPa.s	MH1007 / ISO 3219
pH	7.3 - 8.3	MH1040 / ISO 976

Typical properties:

Property	Value
Mean particle size	max. 200 nm
Appearance	Milky white
Neutralisation agent	1.0% Triethylamine, as salt

Remarks:

An aqueous acrylic modified polyurethane dispersion without organic solvents and free isocyanate groups for radiation curing coatings with UV or electron beam.

Solubility:

The product is soluble in water.

Applications:

- Designed for the coating of wood, paper and plastics substrates.
- Coating films form dry to touch surfaces prior to UV curing, which may reduce the risk of dust contamination and may allow mechanical embossing.
- Domopur 0632 38 Wa results in coatings with good stain resistance as well as scratch and abrasion resistance.
- Coatings based on Domopur 0632 38 Wa are showing very little yellowing and are therefore suitable binders for white pigmented systems.
- Prior to UV curing, all water needs to be removed from the film to prevent easy stain acceptance and mechanically unstable coatings.
- The full performance of the product can only be reached after fully curing the product with suitable radiation, for instance electron beam or UV-light irradiation.

Storage:

The resin should be stored indoors in its original, unopened and undamaged container in a dry place at storage temperatures between 5 °C and 35 °C, for up to 12 months. Protect from freezing and avoid exposure to direct sunlight.