

# Rheovis<sup>®</sup> PU 1192

**Product description** Rheology modifier

- Key benefits**
- Provides outstanding pseudoplastic viscosities
  - Solvent-free non-ionic rheology additive with strongest thickening properties at low shear stress
  - Highly effective in a wide range of aqueous formulations
  - Especially suitable for aqueous spray applications where excellent sag resistance is required
  - Provides sag resistance, excellent chemical- and UV stability
  - APEO-free, tin-free and VOC-free
  - Easy handling
  - Supports film formation and pigment wetting

**Chemical nature** Polyurethane polymer in water / diluent

## Properties

**Physical form** White to slightly yellow liquid

|   |               |                  |                          |
|---|---------------|------------------|--------------------------|
| <b>Technical data</b><br>(not supply specification) | Solid content |                  | ~ 32%                    |
|   | Viscosity     | Brookfield, 25°C | ~ 3,000 mPa·s            |
|   | Density       | ISO 2811-3       | ~ 1.03 g/cm <sup>3</sup> |

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## Application

Rheovis® PU 1192 outperforms earlier generations of pseudoplastic polyurethane rheology modifiers. It provides stronger low-shear thickening and easier incorporation in a wide range of aqueous formulations. It is especially suitable for aqueous spray applications where excellent sag resistance is required. In contrast to conventional thickeners, Rheovis® PU 1192 has no negative influence on gloss or opacity and, due to its non-ionic character, also provides an excellent water resistance. Rheovis® PU 1192 provides optimum performance in aqueous clear and high-gloss top coatings as well as anti-corrosive paints and thick-layer systems.

**Formulation guideline** 0.2 – 1.0% on total formulation

Rheovis® PU 1192 can be incorporated directly into the paint or the mill base during stirring. As highly efficient rheology modifier Rheovis® PU 1192 should be added slowly to the formulation and adequate mixing times should be applied. It can be further diluted with water/butyldiglycol (1:1) for sensitive formulations.

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## Storage

Keep container tightly closed and dry; store in a cool place. Protect from temperatures below: 5 °C. Protect from temperatures above: 40 °C  
If stored at low temperatures precipitation or gelatinization of the product is possible. This process is reversible. Please heat product to room temperature and stir well before use.

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### Validity

This Technical Data Sheet is valid for all versions of the Rheovis® PU 1192.

### Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

### Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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