

Rheovis[®] PU 1193

Product description Rheology modifier

Key benefits

- Provides outstanding pseudoplastic viscosities
- 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
- Biocide-free, APEO-free and tin-free
- Easy handling

Chemical nature Polyurethane polymer in water / diethylene glycol monobutyl ether

Properties

Physical form White to slightly yellow liquid

Technical data

(not supply specification)

Solid content	DIN ISO 1625 (105 °C, 2h)	~ 25 %
Viscosity	Brookfield, 25 °C	~ 3,000 mPa.s
Density	at 20 °C	~ 1.03 g/cm ³

Application

Rheovis® PU 1193 outperforms earlier generations of pseudoplastic polyurethane rheology modifiers. It provides stronger low-shear thickening and easier 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 1193 has no negative influence on gloss or opacity and, due to its non-ionic character, also provides an excellent water resistance. Rheovis® PU 1193 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 1193 can be incorporated directly into the paint or the mill base under stirring. As highly efficient rheology modifier Rheovis® PU 1193 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.

Storage

Keep container tightly closed and store in a cool, dry place.
Protect from temperatures below 0 °C and above 40 °C

If stored at low temperatures freezing of the product is possible. This process is reversible. Please heat product to room temperature and stir well before use.

Contacts worldwide

Asia
BASF East Asia Regional Headquarters Ltd
45/F, Jardine House
No. 1 Connaught Place
Central Hong Kong
China
formulation-additives-asia@basf.com

North America
BASF Corporation
11501 Steele Creek Road
Charlotte, NC 28273
USA
formulation-additives-nafta@basf.com

Europe
BASF SE
Formulation Additives
67056 Ludwigshafen
Germany
formulation-additives-europe@basf.com

South America
BASF S.A.
Rochaverá - Crystal Tower
Av. das Nações Unidas, 14.171
Morumbi - São Paulo-SP
Brazil
formulation-additives-south-america@basf.com

Validity

This Technical Data Sheet is valid for all versions of the Rheovis® PU 1193.

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.

® = Registered trademark

™ = Trademark of the BASF Group, unless otherwise noted

www.basf.com/formulation-additives