

Dispex[®] AA 4145

Product description Dispex[®] AA 4145 is an effective polymeric dispersing agent based on acrylic acid sodium salt.

Key benefits Dispex[®] AA 4145 offers the following advantages:

- excellent dispersing efficiency for inorganic pigments and extenders
- highly efficient
- synergistic effects in combination with polyphosphates
- excellent storage stability

Chemical nature sodium polyacrylate

Properties

Physical form yellowish liquid

Technical data (not supply specification)	Standard	Value
Solid content	DIN EN ISO 3251	44.0 – 46.0 %
pH value	DIN ISO 976 (as such)	8.0 – 9.0
Viscosity, dynamic	DIN EN ISO 3219 (23 °C, Spindle 3, 100 1/s)	300 – 700 mPa.s
	DIN EN ISO 2555 (RV, Spindle 3, 100 1/min)	350 – 700 mPa.s
Density	ISO 2811-1 (20 °C)	~ 1.25 g/cm ³

Application

Dispex® AA 4145 is an all-purpose polymeric dispersing agent for inorganic fillers and pigments. It is anionic, and it is supplied in the form of a sodium salt.

Recommended concentrations

Recommended dosages of Dispex® AA 4145 depend on the nature of the solids to be dispersed. In general, the dosage is between 0.2 – 1.0 %, calculated on the total formulation. In critical formulations it is possible to increase the dosage up to 2%.

Shelf life

Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 1 year.

Storage

Dispex® AA 4145 must not be allowed to come into contact with metals or alloys that are liable to corrosion. The product should always be stored in tightly closed containers. Store protected against freezing.

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Validity

This Technical Data Sheet is valid for all versions of the Dispex® AA 4145.

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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