



Frimpeks Aliphatic Polyurethane Dispersions

103793 FRIMPEKS PUD 502

Product Information:

FRIMPEKS PUD 502 is an anionic aliphatic polyester-polyurethane dispersion.

Typical End Use & Properties

This product is highly suitable for the formulation of advanced textile coatings across a range of specialized applications, including outerwear, luggage, fashion shoe uppers, and shoe lining materials. It demonstrates superior flexibility, excellent lightfastness, and is well-adapted for use with mechanical foaming techniques. As with any chemical formulation, it is imperative that users perform extensive testing, including but not limited to controlled laboratory evaluations and comprehensive field testing, to verify the compatibility and performance of FRIMPEKS PUD 502 in their specific applications.

Technical Data

Aspect	Dispersion in water	Viscosity 23°C, 30 rpm/ sp. L1	50 - 100 mpas
Color	Milky White	pH value at 20°C (supply form)	7.0 - 10.0
Solid content	40 +/-1%	Density at 23°C (g/ml)	approx. 1.0

(*) Typical properties, not to be used as specification

Product Characteristics

An anionic/non-ionic polyether-polyurethane polymer, this product offers excellent film-forming properties and strong adhesion. It is generally compatible with common additives used in glass sizing formulations, such as adhesion promoters, lubricants, antistatic agents, and plasticizers.

Solubility /Thinnability

The product can be thinned in any ratio with deionized water.

Compatibility

Generally speaking, the product is compatible with the additives normally used in the formulation of textile coatings and genuine leather applications, e.g. adhesion promoters, lubricants, antistatic agents and plasticizers.

Packaging

This product is available in:
60 KG Plastic Drums
1000 KG IBC

Transportation

Non-dangerous goods. Cannot be transported in freezing temperatures, and the product should be brought to room temperature prior to use.

Shelf Life and Storage Conditions

The product has a shelf life of nine months from date of receipt at customer, provided the material is stored in sealed original containers at the recommended storage temperature.

The product should be stored in tightly sealed original containers and protected from freezing, heat, and foreign materials. The product cannot be used if it has been frozen. Recommended storage temperature is 5-30°C.

Health and Safety Information

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling this product. Before working with this product, you must read and become familiar with the available information on its risks, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., safety data sheets and product labels. For further information contact your Frimpeks representative or the Product Safety and Regulatory Affairs Department.

Disclaimer:

The statements listed on this publication are according to our best knowledge. The statements do not exonerate the user from their own responsibility to determine that our products are suitable for their processes. They are intended to inform and advise and are subject to influence from the technical process.

This edition of November 22, 2023 replaces all previous editions. With the present edition all older editions are null and void.

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