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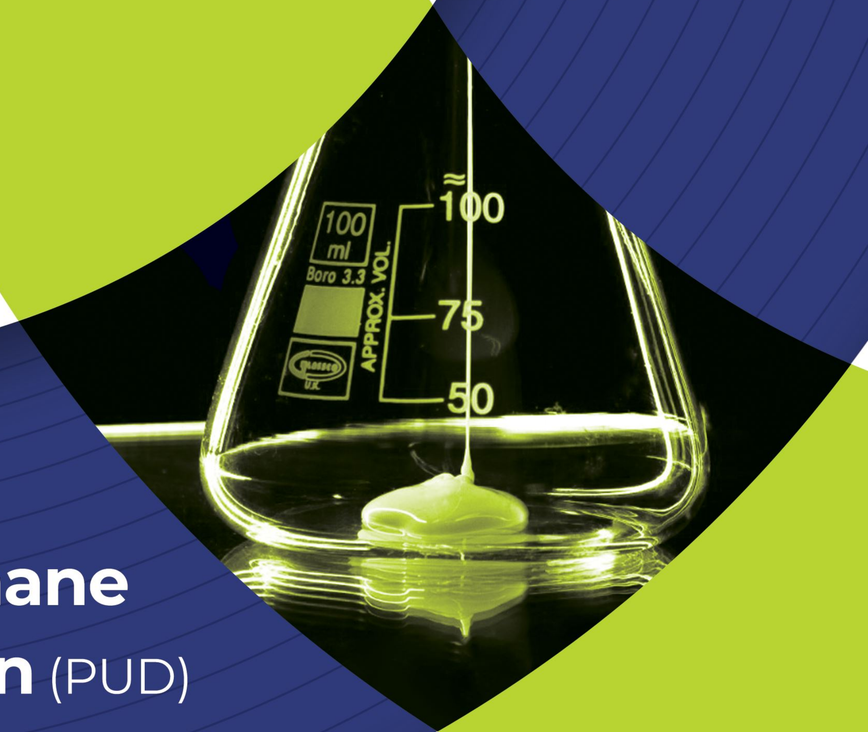
Ajand Baspar Arman Novin Co.



Polyurethane Dispersion (PUD)

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Sustainable Solutions
Trusted Performance

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ABAN POLYMER
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COMPANY PROFILE

Established in 2015, Ajand Baspar Arman Novin Company specializes in polymer chemical products. We are committed to producing and commercializing knowledge–based products by leveraging modern science and past experiences. Our mission is to foster innovation, sustainability, and excellence, contributing to Iran's economic development, meeting the needs of both domestic and international industries, and creating job opportunities.

By relying on the perseverance and efforts of Iranian scientists, we have successfully produced products that meet European quality standards. At Ajand Baspar, we manufacture water–based polyurethane dispersions and adhesives for various industries, representing a breakthrough in eco–friendly solutions. These products, crafted by Iran's scientific pioneers, are not only environmentally compatible but also showcase the prowess of Iran's scientific elite in innovating sustainable materials for a better future.

POLYURATHANE DISPERSION

Our company has succeeded in the industrial production of high–solid polyurethane dispersions (PUD) as a high–tech product for use in various industries. PUDs are formed by dispersing high molecular weight urethane prepolymers in an aqueous medium, which are used in the production of heat–activated adhesives. These compounds provide a high level of adhesion performance and offer excellent initial strength for high efficiency in the production process.

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Advantages

- Due to the lack of volatile organic compounds (VOCs) and better environmental benefits, PUDs are introduced as a safe alternative to solvent–based adhesives. These compounds, being water–based, unlike solvent–based adhesives, do not threaten the health of the producer and consumer.

- PUDs also offer ease of use and fast drying time and can be applied using various methods, including spraying, brushing and rolling.

- Due to the type of formulation and raw materials, these compounds can provide exceptional resistance to abrasion, chemicals, water and UV radiation.

Environmentally friendly

Easy To Use

High Resistant Compound

Applications

Due to their specific and effective performance characteristics such as flexibility, hardness, adhesion, and high moisture and thermal resistance, PUDs have become an ideal adhesive for various industries.
These include:

- **Footwear Industry:** For bonding uppers to various types of soles.
- **Furniture & Decoration Industry:** For laminating plastic films onto wood or MDF.
- **Synthetic Leather Industry:** For bonding various foams onto polyester linings.
- **Packaging Industry:** To seal thermoformed plastic on the backing of paperboard (Blister Packaging).
- **Textile Industry:** For enhancing mechanical strength and waterproofing fabrics.

Technical properties

Appearance	Milky white dispersion	Solid contect	40%
Viscosity at 20 °C	< 1000cps 25 °C	Density	Approx. 1.10 g/cm³
pH value at 20 °C	7–8	Min Activation Temperature (°C)	55–65 °c