

**Definition / Tanımlama**

PURINAQUA PUD 302 is a polyester based anionic polyurethane dispersion. It is an aliphatic water-based polyurethane with high mechanical strength produced with PUD technology.

**Application Area / Uygulama Yeri**

PURINAQUA PUD 302 is used for coating and adhesive purposes by adjusting the viscosity value that requires application in many areas such as textile, wood and packaging, sponge, etc. with its strong adhesion and mechanical resistance. Natural drying or thermal drying can be achieved. PURINAQUA XR 101 can be used up to 10% for higher mechanical strength, higher gloss and faster drying.

**Advantages / Avantajlar**

- Does not yellow with UV rays; aliphatic polyurethane structure
- Ease of application; it is a low viscosity product and the desired viscosity can be easily adjusted with PU thickeners. In this way, it can be used as a spray application or with a roller or doctor blades.
- It is an environmentally friendly product; It has a water-based solvent system. It is produced with a technology sensitive to the environment and human health.
- High performance; With its polymer structure of approximately 50 nanometers in size, it takes a homogeneous form and provides high mechanical strength
- Provides Performance-Cost balance; It can be used pure or easily mixed with water-based systems such as Acrylic, Latex etc. You can adjust your cost by changing the proportions of this mixture until the desired performance.
- Provides a clean working environment; Due to its water-based system, the environment where you work with the product will be clean and odorless.
- Provides long application time; You can determine the duration of your application
- Provides short drying time; Since the system has a polyurethane polymer structure in the solvent, drying can be achieved by removing water at the desired speed and time.
- Provides long shelf life; Water-based polyurethane systems do not contain reactive groups and provide a long shelf life depending on the dispersion quality.
- Easy cleaning; Cleaning of your equipment can be done easily with water
- It is a safe product; the product is non-hazardous and non-flammable. It can be used safely

**Technical Properties / Teknik Özellikler**

No	Test / Analiz	Result / Sonuç	Unit / Birim	Test Code
1	Appearance	White	-	
2	Density	1,00 - 1,05	g/cm3 (23°C)	ISO 2811
3	Viskozite	50-600	cP (23°C)	ASTM 2196
4	Solid content	34-36	%	ISO 3251
5	Elongation at break	600 - 800	%	ASTM D 412

**Packing / Paketleme**

The product is packed and shipped in 1.000kg IBC tanks, 25kg plastic drums or 60kg plastic barrels.

**Storage / Depolama**

Its service life is 12 months from the date of production in its unopened original packaging, in a dry environment, protected from direct sunlight and frost.

**Safety and Health / Güvenlik ve Sağlık**

Avoid contact with skin and eyes. In case of contact, rinse with plenty of water. In case of irritation, consult a doctor immediately.

**Note**

The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Bu teknik formdaki veriler kendi deneyimlerimiz ve bilgilerimiz referans alınarak hazırlanmıştır. Ancak bağlayıcılığı yoktur. Yapıya, uygulama amacına ve özellikle yerel koşullara göre ayarlanmalıdır. Verilerimiz, uygulama sırasında uyulması gereken mühendislik kurallarını referans almıştır. Satış teslim, hizmet şartlarımız ve koşullarımız kapsamında bu verilerin doğruluğundan sorumlu olmaktayız. Çalışanlarımızın bilgilendirme formlarımızdaki yer alan verilerden farklı önerileri ancak yazılı olarak verilmesi halinde bağlayıcıdır. Kabul edilen mühendislik kurallarına her zaman uyulmalıdır.

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