

Definition / Tanımlama

PURINAQUA PUD 301 is a polyester based anionic polyurethane dispersion. It is aliphatic water-based polyurethane with high mechanical strength, produced with PUD technology.

Application Area / Uygulama Yeri

With its strong adhesion and mechanical resistance PURINAQUA PUD 301 is used for coating and adhesive purposes by adjusting the viscosity value that requires application in many areas such as textile wood, packaging and sponge etc. Drying can be provided by natural and thermal drying. For higher mechanical strength, higher gloss and faster drying applications PURINAQUA XR 101 can be used by 10%.

Advantages / Avantajlar

- Does not turn yellow in UV light with its aliphatic structure
- Ease of application with low viscosity,
- Ability to be adjusted to the desired viscosity, the desired viscosity can be easily adjusted with PU thickeners. In this way, it can be used with spray applications or roller and scraper blades. (doctor blade)
- Environmentally friendly with its water-based structure, it is produced with a technology that is sensitive to the environment and human health.
- High performance contribution, it takes a homogeneous form with its polymer structure of approximately 50 nanometers and provides high mechanical strength.
- Can be mixed with water-based systems such as acrylic etc. It can be used purely or easily mixed with water-based systems like acrylic, latex etc. The cost can be adjusted by changing the proportions of the mixture until the desired performance is obtained.
- Clean and odorless working environment
- Long adjustable application time,
- Short drying time, since the system has a polyurethane polymer structure in the solvent, drying can be achieved by removing the water at the desired speed and time.
- Long shelf life and stock life, water based polyurethane systems do not contain reactive groups and provide a long shelf life depending on the dispersion quality.
- Cleaning of application equipment and areas with water
- Non-hazardous, non-flammable

Technical Properties / Teknik Özellikler

No	Test / Analiz	Result / Sonuç	Unit / Birim	Test Code
1	Appearance	Beyaz - Mavi	-	
2	Density	1,00 - 1,05	g/cm ³ (23°C)	ISO 2811
3	Viscosity	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

PURINAQUA PUD 301 is packed and shipped in 25kg plastic drums, 60 kg plastic barrels, and 1.000kg IBC tanks.

Storage / Depolama

Its shelf life is 12 months from the date of production, when it is stored in its unopened original package, in a dry environment, protected from direct sunlight and frost.

Safety and Health / Güvenlik ve Sağlık

The product should not come into contact with the skin and eyes. In case of contact, wash with plenty of water. In case of irritation seek medical advice 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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