



ORGANİK KİMYA

PRESSURE SENSITIVE ADHESIVE SOLUTIONS

SPECIALTY TAPES



We are dedicated to driving value for our customers through seamless collaboration, cutting-edge innovation, and advanced technology, all while prioritizing sustainability and environmental care

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High-Performance Acrylic Copolymer for Specialty Tape Applications

ORGAL® AX 1223

ORGAL® AX 1223 is an acrylic copolymer that can be used in the production of adhesives for self-adhesive materials, including tapes, labels, and other adhesive applications.

It offers well-balanced adhesion and cohesion properties, ensuring versatility across various application areas.

Technical Specifications:

Solid Content: 65% ± 1

Viscosity (Brookfield LV 3/60): 300 - 800 cps

pH Level: 6.5 - 7.5

Tg: - 37°C

Performance Properties (at 50 g/m² dry coat weight on 50µm PET film):

Peel Adhesion (AFERA 5001 & FTM 1 & PSTC 101) on SS, N/25 mm:	24.0 - 26.0 CF
Loop Tack (AFERA 5014 & FTM 9 & PSTC 16) on SS, N/25 mm:	18.0 - 20.0
Shear Strength (AFERA 5012 & FTM 8 & PSTC 107) on SS, min:	4000 - 6000 CF

Cohesive failure (CF): The adhesive film is split during the test, leaving residue of adhesive on both the panel and the front material.

Regulatory Compliance:

FDA CFR 21 Section 175.105 compliant

EU Plastics Directive 2011/10/EC compliance

For more information, samples, or technical support, contact us today!

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Key Benefits:

Strong Adhesion

Ensures excellent bonding to multiple surfaces.

Versatility

Suitable for tapes, labels, and other adhesive applications.

Enhanced Wettability

Improved wettability on siliconized liners with a DOSS-type wetting agent (0.5-1.0%).

Customizable Viscosity

Can be adjusted with thickeners.
Viscosity increases when the pH rises.

Performance Optimization

Enhanced performance on low surface energy substrates by adding rosin ester tackifier dispersions.