

# 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



# High-Performance Acrylic Polymer for Specialty Tape Applications

## ORGAL® AX 1221

ORGAL® AX 1221 is an APEO free acrylic polymer that forms clear, elastic and tacky films when dried.

ORGAL® AX 1221 offers high adhesion and superior tack.

### Key Benefits:

APEO-free, low viscosity acrylic polymer

Superior tack and high adhesion

Ideal for high coat weight general-purpose tapes

Compatible with rosin ester tackifiers

### Technical Specifications:

**Solid Content:** 65% ± 1

**Viscosity (Brookfield LV 3/60):** 100 - 600 cps

**pH Level:** 4.5 - 5.5

**MFFT:** <0°C

### Application and Formulation Tips

- Add 0.5 -1.0% DOSS-type wetting agent for better wettability on siliconized liners
- Increase the viscosity with commercially available thickeners as needed
- Viscosity increases when the pH rises

### Performance Properties (at 50 g/m<sup>2</sup> dry coat weight on 50µm PET film):

Peel adhesion (AFERA 5001 & FTM 1 & PSTC 101), on SS, N/25 mm	23.0 – 28.0 CF
Loop tack (AFERA 5014 & FTM 9 & PSTC 16), on SS, N/25 mm	20.0 – 22.0
Shear Strength, (AFERA 5012 & FTM 8 & PSTC 107), on SS, min.	200 – 500 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

EU Plastics Directive 2011/10/EC compliance

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

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