

# TECHNICAL DATA SHEET

## Acetate

(Cellulose Acetate Film)

Acetate film and sheet is a cast cellulose acetate polymer film. It is an excellent general purpose plastic which is an industry standard in graphic arts, packaging, printing, overlays, and many other applications. Acetate film is a thin, clear or translucent, and flexible plastic sheet or strip that will accept printing ink. It is also known for its wrinkle resistance, water resistance, dimensional stability, high gas permeability, good electrical insulation properties, resistance to fogging and medium water vapor transmission.

### Benefits

- Glass-like clarity
- Very uniform optical properties
- Good dimensional stability
- Easily torn (low tear strength)
- Easily to cut (fabricated)
- Printable with conventional screen and offset printing methods
- Melt point of about 225 degrees F./110 degrees C
- Approved for indirect and direct food and medical applications

### Applications

- Packaging
- Graphic arts
- Stationary
- Displays
- Picture frames
- Book binding lamination
- Metalizing
- Architectural and drafting supplies
- Prepackaging produce
- Packaged baked goods
- Packaged dry goods
- Window envelopes
- Electrical insulation

### PROPERTIES OF ACETATE

Properties based on .005" Clear Di-Acetate

Properties of other gauges and finishes of Acetate can vary.

Physical Properties:

Property Typical Value Units Test Method

Specific Gravity 1.32

Tensile Heat Distortion 227o oF

Linear Heat Shrinkage > 2 % ASTM D1204-4  
2090 for 15 min.

Water Vapor Permeability 0.74 lbs/in2 per 24 hours

Yield Strength 1387 lbs/in2 ASTM D882-91

Tensile Strength at Break 1904 lbs/in2 ASTM D882-91

Elongation at Break 30-45 % ASTM D882-91

Elastic Modulus In 67357 lbs/in2 ASTM D882-91

Tension

Mullen Bursting Strength 91.4 lbs/in2 ASTM D774-46

Elmendorff Tear Strength 0.252 lbs

### SHAPE AVAILABLE

