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 227° 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

NOTE: The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. Contact us for manufacturers' complete material property datasheets. All values at 73°F (23°C) unless otherwise noted.