



## Product Data Sheet

### *Eastman Cellulose Acetate (CA-398-30)*

#### Application/Uses

- Pressure sensitive tape
- Sealants

#### Product Description

*Eastman Cellulose Acetate CA-398-30* is a high-viscosity, high molecular weight cellulose acetate supplied as fine, dry, free-flowing powder. The powder is free from coarse particles and excessive fines. Its relatively uniform particle size permits good plasticizer distribution during blending. Cellulose acetate CA-398-30 offers good physical properties for molded and extruded articles. It may be compounded into plastic using extrusion equipment or heated rolls.

#### Typical Properties

Property	Typical Value, Units
Acetyl Content	39.8%
Combined Acetic Acid Content	55.5%
Hydroxyl Content	3.5 wt %
Acidity as Acetic Acid	0.2 wt % max.
Viscosity <sup>a</sup>	114 poise
Moisture Content	3 wt %
Ash Content	<0.05%
Specific Gravity (wt/vol)	1.31 kg/L (10.9 lb/gal)
Bulk Density	
Tapped	432 kg/m <sup>3</sup> (27 lb/ft <sup>3</sup> )
Poured	320 kg/m <sup>3</sup> (20 lb/ft <sup>3</sup> )
Melting Point	230-250°C
Glass Transition Temperature (T <sub>g</sub> )	189°C
Tukon Hardness	26 Knoop
Haze <sup>b</sup>	40 ppm
Color <sup>b</sup>	290 ppm
Heat Test Color	4 max.
Plastic Test Color	12.5
Refractive Index	1.475
Dielectric Strength	669 kv/cm (1.7 kv/mil)

<sup>a</sup> Viscosity determined by ASTM Method D 1343. Results converted to poises (ASTM Method D 1343) using the solution density for Formula A as stated in ASTM Method D 817 (20% Cellulose ester, 72% acetone, 8% ethyl

alcohol).

**b** Determination of color and haze is made on CAB solutions using Pt-Co standards for color and a monodisperse latex suspension for haze. Analysis is performed with a Gardner Model XL-835 colorimeter.

### Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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