

Technical Data Sheet

Eastman™ Cellulose Acetate (CA-394-60LF)

Applications

- Architectural coatings
- Auto plastics
- Auto refinish
- Compounders
- Consumer electronics
- Consumer housewares-nfc
- Decorative laminates-wood
- Electronic chemicals
- General industrial coatings
- Graphic arts
- Industrial maintenance
- Inkjet printing inks
- Lubricants
- Metal furniture
- Multi-layer film non food contact
- Other-lcd displays
- Pack & carton coatings
- Paints & coatings
- Photographic imaging film
- Process additives
- Protective coatings
- Tac film
- Tape non food contact
- Water treatment industrial
- Wood coatings

Product Description

Eastman Cellulose Acetate (CA-394-60LF) is a very high-melting, low odor cellulose ester having limited solubility and compatibility. This multipurpose rheology enhancer, offers high strength and good resistance to ultraviolet light, heat, oils, and greases. It is useful in lacquers for glass, plastic, wire and release coatings. When CA-394-60LF is dissolved in appropriate solvents a clear, colorless solution is produced. It is available in pellet form.

Eastman CA-394-60LF is based on cellulose, one of the most abundant natural renewable resources, from trees harvested from sustainably managed forests. The calculated approximate bio-content value of 55% for Eastman CA-394-60LF was determined by using six bio-based carbon atoms per anhydroglucose unit divided by the total number of carbons per anhydroglucose unit. Although the value reported is not specifically measured for bio-carbon, it can be estimated based on typical partition data.

Typical Properties

Property	Typical Value, Units
General	
Viscosity ^a	
s	34
Poise	228
Acetyl Content	40 wt %
Hydroxyl Content	4.0 wt %
Moisture Content	5.0 max %
	180 °C

T _g ^b	
Melting range	240-260 °C
Bulk Density	
Poured	320 kg/m ³ (20 lb/ft ³)
Tapped	400 kg/m ³ (25 lb/ft ³)
Specific Gravity	1.32
Acidity	
as Acetic Acid	0.1 wt % max.
Ash Content	<0.05 %
Refractive Index	1.475
Dielectric Strength	669 kv/cm (1.7 kv/mil)
Tukon Hardness	27 Knoop
Wt/Vol	1.32 kg/L (11.1 lb/gal)
Combined Acetic Acid Content	55 %

^aViscosity 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).

^bGlass Transition Temperature

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.

Eastman and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

10/16/2019 7:54:47 AM