

Technical Data Sheet

Applications

- Architectural coatings
- Auto oem
- Auto plastics
- Auto refinish
- Building materials
- Commerical printing inks
- Compensation film
- Consumer electronics
- Consumer housewares-nfc
- Flexographic printing inks
- General industrial coatings
- Graphic arts
- Gravure printing inks
- Industrial
- Industrial electronics
- Industrial maintenance
- Inkjet printing inks
- Leather coatings
- Lighting
- Multi-layer film non food contact
- Non-medical housings & hardware for elec
- Other-lcd displays
- Pack & carton coatings
- Packaging coatings non food contact
- Packaging component films
- Packaging inks non food contact
- Paints & coatings
- Photographic chemicals
- Photographic imaging film
- Process additives
- Protective coatings
- Screen printing inks
- Tac film
- Textile
- Truck/bus/rv
- Water treatment industrial
- Wood coatings

Product Description

Eastman Cellulose Acetate Propionate (CAP-482-20) is similar to Eastman CAP-482-0.5 in solubility and compatibility but Eastman CAP-482-20 has a higher viscosity. CAP 482-20 is useful as a film former in inks, overprint varnishes, and nail lacquer topcoats. It may be used alone or in combination with Eastman CAP-482-0.5. When CAP-482-20 is dissolved in appropriate solvents a clear, colorless solution is produced.

Eastman CAP-482-20 is based on cellulose, one of the most abundant natural renewable resources. The calculated approximate bio-content value of 43% for Eastman CAP-482-20 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.

For applications that require food contact compliance, please refer to CAP-482-20, Food Contact.

Typical Properties

Property	Typical Value, Units
General	
Viscosity ^a	
s	20
Poise	76.5
Acetyl Content	1.3 wt %
Propionyl Content	48 wt %
Hydroxyl Content	1.7 wt %
Moisture Content	3.0 max %
T _g ^b	147 °C
Melting range	188-210 °C
Specific Gravity	1.22
Acidity	
as Acetic Acid	0.01 wt %
Ash Content	0.017 wt %
Refractive Index	1.475 n(25°C/D)
Tukon Hardness	23 Knoop
Wt/Vol	
@ 20°C	1.22 kg/L (10.2 lb/gal)
Form	Powder

^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.

3/4/2022 4:45:29 PM