

Technical Data Sheet

Applications

- uv printing inks
- Ace machinery & equipment
- Adhesives/sealants-b&c
- Aerospace coatings
- Alkyd resins
- Apparel
- Architectural coatings
- Auto oem
- Auto plastics
- Auto refinish
- Automotive
- Automotive parts & accessories
- Automotive protective coatings
- Coil coatings
- Coil coatings-appliances
- Commercial printing inks
- Compensation film
- Consumer electronics
- Diapers
- Electronic chemicals
- Exterior architectural coatings
- Food can coatings external coatings
- Food can coatings internal
- Fugitive binder
- General industrial coatings
- Graphic arts
- Gravure printing inks
- Industrial electronics
- Industrial maintenance
- Inkjet printing inks
- Leather coatings
- Metal coatings
- Metal furniture
- Metals
- Motorcycles
- Non-medical housings & hardware for elec
- Overprint varnishes
- Pack & carton coatings
- Packaging coatings non food contact
- Packaging inks non food contact
- Paints & coatings
- Personal care ingredients
- Photographic imaging film
- Process additives
- Protective coatings
- Screen printing inks
- Small appliances non-food contact
- Solar panels
- Truck/bus/rv
- Water treatment industrial
- Wood coatings

Product Description

Eastman Cellulose Acetate Butyrate (CAB-551-0.2) is a cellulose ester with high butyryl content and relatively low molecular weight. It is compatible with numerous cross-linking resins and has a lower solution viscosity. In coatings, Eastman CAB-551-0.2 gives clear films, reduces surface tack and mottling, minimizes cratering,

improves flow and thermal reflow, and provides inter coat adhesion and good UV stability. It is useful for durable cross-linked formulations. Its good compatibility with a wide range of curing resin systems and its solubility in a wide variety of solvents and solvent combinations make it useful as an additive in numerous coating compositions. When CAB-551-0.2 is dissolved in appropriate solvents a clear, colorless solution is produced.

Eastman CAB-551-0.2 is based on cellulose, one of the most abundant natural renewable resources. The calculated approximate bio-content value of 37% for Eastman CAB-551-0.2 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 Eastman CAB-551-0.2, Food Contact.

Typical Properties

Property	Typical Value, Units
General	
Viscosity ^a	
s	0.2
Poise	0.76
Acetyl Content	2 wt %
Butyryl Content	52 wt %
Hydroxyl Content	1.8 wt %
Moisture Content	3.0 max %
T _g ^b	101 °C
Bulk Density	
Poured	515 kg/m ³ (32 lb/ft ³)
Tapped	612 kg/m ³ (38 lb/ft ³)
Specific Gravity	1.16
Acidity	
as Acetic Acid	0.02 wt %
Ash Content	<0.05 %
Refractive Index	1.475
Dielectric Strength	787-984 kv/cm (2-2.5 kv/mil)
Tukon Hardness	15 Knoop
Wt/Vol	1.16 kg/L (9.67 lb/gal)

^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.

9/19/2022 10:22:31 AM

© 2023 Eastman Chemical Company or its subsidiaries. All rights reserved. As used herein, ® denotes registered trademark status in the U.S. only.