EASTMAN

Technical Data Sheet

Eastman™ Cellulose Acetate Propionate (CAP-482-0.5), Food Contact

Applications

- Commerical printing inks
- Food can coatings internal
- Graphic arts
- Gravure printing inks
- Inkjet printing inks
- Inks
- Labels - food packaging - food contact
- Overprint varnishes
- Pack & carton coatings
- Packaging inks food contact
- Packaging inks non food contact
- Screen printing inks
- Tape - food packaging - food contact

Product Description

Eastman Cellulose Acetate Propionate CAP-482-0.5, Food Contact is a low-odor, free-flowing powder. It is especially adaptable for use in printing inks and clear overprint varnishes because of its wide solubility in ink solvents, compatibility with other resins used in printing inks, and high melting point. Films formed from Eastman CAP-482-0.5, Food Contact have fast solvent release, excellent antiblocking properties, and grease resistance superior to that of other film-formers. It is often used in combination with Eastman CAP-482-20, Food Contact to optimize the formulation viscosity. When CAP-482-0.5, Food Contact is dissolved in appropriate solvents a clear, colorless solution is produced.

Eastman CAP-482-0.5, Food Contact 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 45% for Eastman CAP-482-0.5, Food Contact was determined by using six bio-based carbon atoms per anhyroglucose unit divided by the total number of carbons per anhyroglucose unit. Although the value reported is not specifically measured for bio-carbon, it can be estimated based on typical partition data.

This product is manufactured, stored, handled and transported by Eastman under conditions adhering to current Good Manufacturing Practices for food contact applications. This product meets requirements for use in certain food contact applications under regulations of the U.S. Food and Drug Administration (21 CFR), European Commission (Regulation 10/2011) and the Swiss Ordinance on Materials & Articles in Contact with Food (SR 817.023.21). Contact your Eastman representative or authorized Eastman distributor for specific regulatory compliance documentation.

For applications that do not require food contact compliance, please refer to Eastman CAP-482-0.5.

Typical Properties

Property	Typical Value, Units
General	
Viscosity[a]	
s	0.5
Poise	1.53
Acetyl Content	1.5 wt %
Propionyl Content	45 wt %
	2.6 wt %

Hydroxyl Content	
Moisture Content	3.0 max %
Tg[b]	142 °C
Melting range	188-210 °C
Specific Gravity	1.23
Acidity as Acetic Acid	0.02 wt %
Ash Content	0.05 wt %
Refractive Index	1.475 n(25°C/D)
Tukon Hardness	23 Knoops
Wt/Vol @ 20°C	1.23 kg/L (10.2 lb/gal)

[a]*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]*Glass 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.

10/28/2019 6:44:08 AM