Technical Data Sheet

CAB-551-0.2 Cellulose Acetate Butyrate

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Application/Uses

Automotive OEM, Coatings, Coatings for Automotive, Coatings for Automotive Plastics, Coatings for Plastics, Nail care, Truck/Bus/Commercial Vehicles.

Product Description

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, 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.

Typical Properties

Property	Enterprise product standards
Butyryl Content	45.00%~58.00%
Acetyl Content	0.10%~5.00%
Hydroxyl Content	0.00~3.00%
Viscosity[a]	0.35~0.65 dL/g
Color[b]	≦100unit
Haze[b] (NTU)	≦50NTU
Acidity as Acetic Acid	0.00~80 mg/kg
Ash Content	≦1.5%
Melting point	The measured value
Glass Transition Temperature (Tg)	The measured value

Remark:

a. Viscosity to be tested by Ubbelohde viscometer 0.24mm.

b. Solution to test color and haze: 20% CAB 80% Ethyl Acetate.

To measure Color by Pt-Co color scale, and to measure Haze by turbidimeter.

Compliance with EU-REACH, K-REACH, and Turkish KKDIK.

For applications that require food contact compliance, please refer to Declaration of compliance.

The calculated approximate bio-content value of 37% for Chemdad CAB-551-0.2.

Shelf life

3 years under room temperature storage.

Comments

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

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