

Technical Data Sheet**(CAB-381-0.1) Cellulose Acetate Butyrate****Application/Uses**

Coatings 、 Coatings for Automotive Plastics 、 Coatings for plastic 、 Lacquers 、 Lacquers for automotive 、 Nail care 、 Printing Inks、 Truck/Bus/Commercial Vehicles

Product Description

Cellulose Acetate Butyrate (CAB 381-0.1) is a cellulose ester with medium butyryl content and low viscosity. It was designed for use where low-application viscosities at relatively high solids levels is needed. It is soluble in a wide range of solvents and compatible with many other resins. It will also tolerate the use of solvent blends currently exempt from certain air pollution regulations. It is supplied as a dry, free-flowing powder.

Typical Properties

Property	Enterprise product standards
Butyryl Content	35.50%~41.50%
Acetyl Content	10.00%~18.00%
Hydroxyl Content	0.00~3.00%
Viscosity	0.05~0.30 mPa.s/mm
Color	≤100unit
Haze (NTU)	≤50NTU
Acidity as Acetic Acid	0.00~300 mg/kg
Ash Content	≤1.5%
Melting point	The measured value
Glass Transition Temperature	The measured value

Remark:

1. Dissolution ratio: 20% cellulose ester, 80% acetone or ethyl acetate.
2. Dissolve cellulose esters with acetone or ethyl acetate, and then determine the color and turbidity. The turbidity is measured using a Pt-Co standard color and turbidity meter.

Comments

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

Yunjian 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 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 merchant ability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

Shelf life: room temperature storage, 2 years

Technical Data Sheet**(CAB-381-0.5) Cellulose Acetate Butyrate****Application/Uses**

Automotive OEM 、Coatings 、Coatings for Automotive Plastics 、Coatings for plastic 、Lacquers 、Lacquers for automotive 、Nail care 、Printing Inks 、Truck/Bus/Commercial Vehicles

Product Description

Cellulose Acetate Butyrate (CAB 381-0.5) is a cellulose ester with medium butyryl content and low viscosity. It was designed for use where low-application viscosities at relatively high solids levels is needed. It is soluble in a wide range of solvents and compatible with many other resins. It will also tolerate the use of solvent blends currently exempt from certain air pollution regulations. It is supplied as a dry, free-flowing powder.

Typical properties

Property	Enterprise product standards
Butyryl Content	35.50%~41.50%
Acetyl Content	10.00%~18.00%
Hydroxyl Content	0.00~3.00%
Viscosity	0.35~0.80 mPa.s/mm
Color	≤100unit
Haze	≤50NTU
Acidity as Acetic Acid	0.00~300 mg/kg
Ash Content	≤1.5%
Melting point	The measured value
Glass Transition Temperature	The measured value

Remark:

1. Dissolution ratio: 20% cellulose ester, 80% acetone or ethyl acetate.
2. Dissolve cellulose esters with acetone or ethyl acetate, and then determine the color and turbidity. The turbidity is measured using a Pt-Co standard color and turbidity meter.

Comments

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

Yunjian 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 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 merchant ability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

Shelf life: room temperature storage, 2 years

Technical Data Sheet**(CAB-381-2) Cellulose Acetate Butyrate****Application/Uses**

Automotive OEM 、Coatings 、Coatings for Automotive Plastics 、Coatings for cloth 、Coatings for leather 、Coatings for plastic 、Coatings for wood 、Heat seal adhesive 、Lacquers for automotive、Lacquers for paper 、Lacquers for plastic 、Lacquers for wood 、Nail care 、Truck/Bus/Commercial Vehicles

Product Description

CAB-381-2 is a cellulose ester with high butyryl content and high viscosity. Other than a higher viscosity and molecular weight, this cellulose ester shares the same general characteristics as CAB-381-0.1 , CAB-381-0.5 , CAB-381-2 offers a combination of solubility and compatibility, moisture resistance, excellent surface hardness, and good film strength. It is supplied as a dry, free-flowing powder.

Typical Properties

Property	Enterprise product standards
Butyryl Content	35.00%~41.00%
Acetyl Content	10.00%~18.00%
Hydroxyl Content	0.00~3.00%
Viscosity	0.85~1.25 mPa.s/mm
Color	≤100unit
Haze	≤50NTU
Acidity as Acetic Acid	0.00~300 mg/kg
Ash Content	≤1.5%
Melting point	The measured value
Glass Transition Temperature	The measured value

Remark:

1. Dissolution ratio: 20% cellulose ester, 80% acetone or ethyl acetate.
2. Dissolve cellulose esters with acetone or ethyl acetate, and then determine the color and turbidity. The turbidity is measured using a Pt-Co standard color and turbidity meter.

Comments

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

Yunjian 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 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 merchant ability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

Shelf life: room temperature storage, 2 years

Technical Data Sheet

(CAB-381-20) Cellulose Acetate Butyrate

Application/Uses

Automotive OEM 、Coatings 、Coatings for Automotive Plastics 、Coatings for cloth 、Coatings for leather 、Coatings for plastic 、Coatings for wood 、Heat seal adhesive 、Lacquers for automotive 、Lacquers for paper 、Lacquers for plastic 、Lacquers for wood 、Nail care 、Truck/Bus/Commercial Vehicles

Product Description

Cellulose Acetate Butyrate (CAB-381-20) is a cellulose ester with high butyryl content and high viscosity. Other than a higher viscosity and higher molecular weight, this cellulose ester shares the same general characteristics as CAB-381-0.1 、 CAB-381-0.5. CAB-381-20 offers a combination of solubility and compatibility, moisture resistance, excellent surface hardness, and good film strength. CAB-381-20 is supplied as a dry, free-flowing powder.

Typical Properties

Property	Enterprise product standards
Butyryl Content	36.00%~40.00%
Acetyl Content	11.00%~18.00%
Hydroxyl Content	0.00~3.00%
Viscosity	1.30~1.80mPa.s/mm
Color	≤100unit
Haze	≤50NTU
Acidity as Acetic Acid	0.00~300 mg/kg
Ash Content	≤1.5%
Melting point	The measured value
Glass Transition Temperature	The measured value

Remark:

1. Dissolution ratio: 20% cellulose ester, 80% acetone or ethyl acetate.
2. Dissolve cellulose esters with acetone or ethyl acetate, and then determine the color and turbidity. The turbidity is measured using a Pt-Co standard color and turbidity meter.

Comments

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

Yunjian 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 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 merchant ability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

Shelf life: room temperature storage, 2 years

Technical Data Sheet

(CAB-531-1) Cellulose Acetate Butyrate

Application/Uses

Automotive OEM、Coatings 、Coatings for Automotive Plastics、Lacquers for automotive 、Lacquers for plastic、Nail care、Truck/Bus/Commercial Vehicles

Product Description

Cellulose Acetate Butyrate (CAB-531-1) is a cellulose ester with a higher butyryl level than CAB-381 type esters . Tough films with good resistance to marring and weathering are possible through combinations of cellulose acetate butyrate with thermoplastic acrylic resins . CAB-531-1 and CAB-381 esters are similar in hydroxyl content and solubility characteristics, both being soluble in a wide range of solvents . CAB-531-1 is a more flexible resin requiring lower plasticizer modification than the CAB-381 esters .

Typical Properties

Property	Enterprise product standards
Butyryl Content	44.00%-54.00%
Acetyl Content	1.00%-5.00%
Hydroxyl Content	1.00-3.00%
Viscosity	0.80-1.1
Color	≤100unit
Haze	≤50NTU
Acidity as Acetic Acid	0.00-300
Ash Content	≤1.5%
Melting point	The measured value
Glass Transition Temperature (Tg)	The measured value

Remark:

1. Dissolution ratio: 20% cellulose ester, 80% acetone or ethyl acetate.
2. Dissolve cellulose esters with acetone or ethyl acetate, and then determine the color and turbidity. The turbidity is measured using a Pt-Co standard color and turbidity meter.

Comments

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

Yunjian 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 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 merchant ability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

Shelf life: room temperature storage, 2 years

Technical Data Sheet

(CAB-551-0.01) Cellulose Acetate Butyrate

Application/Uses

Amino and isocyanate crosslinked coatings 、 Automotive OEM 、 Coatings、 Coatings for automotive 、 Coatings for Automotive Plastics 、 Coatings for plastic 、 Nail care 、 Truck/Bus/Commercial Vehicles

Product Description

Cellulose Acetate Butyrate (CAB-551-0.01) is a cellulose ester with high butyryl content and low viscosity, which significantly affects its solubility and compatibility. CAB-551-0.01 is soluble in styrene and methyl methacrylate monomers and will tolerate more aliphatic and aromatic hydrocarbon diluent than higher viscosity materials. The solubility of CAB-551-0.01 in alcohol/aromatic hydrocarbon mixtures offers an economic advantage and permits the choice of a wide range of solvents and solvent combinations. It also offers improved compatibility with various coating resins. CAB-551-0.01 is a dry, white free-flowing powder convenient to handle.

Typical Properties

Property	Enterprise product standards
Butyryl Content	45.00%~58.00%
Acetyl Content	0.10%~4.00%
Hydroxyl Content	0.00~4.00%
Viscosity	0.01~0.15 mPa.s/mm
Color	≤ 100unit
Haze	≤ 50NTU
Ash Content	≤ 1.5%
Acidity as Acetic Acid	0.00~300mg/kg
Melting point	The measured value
Glass Transition Temperature	The measured value

Remark:

1. Dissolution ratio: 20% cellulose ester, 80% acetone or ethyl acetate.
2. Dissolve cellulose esters with acetone or ethyl acetate, and then determine the color and turbidity. The turbidity is measured using a Pt-Co standard color and turbidity meter.

Comments

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

Yunjian 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 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.

Shelf life: room temperature storage, 2 years

Technical Data Sheet**(CAB-551-0.2) Cellulose Acetate Butyrate****Application/Uses**

Automotive OEM 、Coatings、Coatings for automotive 、Coatings for Automotive Plastics 、
Coatings for plastic 、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 intercoat 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	44.00%~58.00%
Acetyl Content	0.10%~5.00%
Hydroxyl Content	0.00~4.00%
Viscosity	0.20~0.55 mPa.s/mm
Color	≤100unit
Haze	≤50NTU
Acidity as Acetic Acid	0.00~300mg/kg
Ash Content	≤1.5%
GlassTransitionTemperature(Tg)	The measured value
Melting point	The measured value

Remark:

1. Dissolution ratio: 20% cellulose ester, 80% acetone or ethyl acetate.
2. Dissolve cellulose esters with acetone or ethyl acetate, and then determine the color and turbidity. The turbidity is measured using a Pt-Co standard color and turbidity meter.

Comments

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

Yunjian 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 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 merchant ability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

Shelf life: room temperature storage, 2 years