

Product Data Sheet

Eastman

Cellulose Acetate Butyrate (CAB-551-0.01)

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

Remarkable polymers with a renewable backbone provided by nature itself.

Eastman Cellulose Acetate Butyrate (CAB-551-0.01) is a cellulose ester with high butyryl content and low ASTM(A) viscosity, which significantly affects its solubility and compatibility.

Eastman 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. **Eastman** CAB-551-0.01 is a dry, white free-flowing powder convenient to handle. **Eastman** cellulose esters are based on up to sixty percent cellulose, one of the most abundant natural renewable resources.

Typical Properties

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|--|-------------|
| Butyryl Content | 53 wt % |
| Acetyl Content | 2 wt % |
| Hydroxyl Content | 1.5% |
| Viscosity ^a | 0.038 poise |
| Color | 100 ppm |
| Haze | 25 ppm |
| Acidity as Acetic Acid | 0.02 wt % |
| Melting Point | 127-142°C |
| Glass Transition Temperature (T _g) | 85°C |

| | |
|--|-------------------------|
| Char Point | 260°C |
| Wt/Vol (Cast Film) | 1.16 kg/L (9.67 lb/gal) |
| Molecular Weight ^b M _n | 16000 |
| Tukon Hardness | 15 Knoop |

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.