

# 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

Butyryl Content	53 wt %
Acetyl Content	2 wt %
Hydroxyl Content	1.5%
Viscosity <sup>a</sup>	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 <sub>g</sub> )	85°C

Char Point	260°C
Wt/Vol (Cast Film)	1.16 kg/L (9.67 lb/gal)
Molecular Weight <sup>b</sup> M <sub>n</sub>	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.