

**EASTMAN**

## Technical Data Sheet

### Eastman Ensure™ 100 Rheology Modifier

(Internal View Only)

#### Application/Uses

- Coatings direct to metal
- Coatings for cloth
- Coatings for paper/paperboard
- Flexographic and screen printing inks
- Gravure printing inks

#### Product Description

When cellulose is esterified with both acetyl and butyryl radicals to form the mixed ester, cellulose acetate butyrate, many of the desirable properties of both esters are obtained. Ensure™ 100 Rheology Modifier has the lowest butyryl content in the series of Eastman™ Cellulose Acetate Butyrates. It is supplied in dry, powder form and is offered as a filtered product. Films prepared from Ensure™ 100 Rheology Modifier offer superior toughness and hardness as compared with films prepared from other mixed esters. Also coatings based on Ensure™ 100 Rheology Modifier usually offer excellent resistance to chemicals, oils, and greases. Ensure™ 100 Rheology Modifier exhibits the lowest degree of solubility of the Eastman™ cellulose ester family.

#### Typical Properties

Property	Typical Value, Units
Viscosity	0.4 sec
Butyryl Content	17.5 wt %
Hydroxyl Content	1.1 wt %
Acetyl Content	29.5 wt %
Melting Point	230-240°C
Glass Transition Temperature ( $T_g$ )	151°C

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