

## Albis Plastics Cellulose Acetate Butyrate B9004 (Odor Mask Added), 13% Plasticizer (discontinued \*\*)

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Cellulosic , Cellulose Acetate Butyrate, Molded

### Material Notes:

Amorphous Cellulose Acetate Butyrate (CAB) Characteristics: Dimensional Stability, Weatherability and Low Temp Impact

Strength Applications: Pens, Ski Goggles, Auto Trim, Skylights, Tool Handles and Toys Processing: Injection Molding (Melt Temperature:

430°F, Mold Temperature: 125°F) Data supplied by Albis Plastics Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Albis-Plastics-Cellulose-Acetate-Butyrate-B9004-Odor-Mask-Added-13-Plasticizer-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Albis-Plastics-Cellulose-Acetate-Butyrate-B9004-Odor-Mask-Added-13-Plasticizer-nbspdiscontinued-.php)

| Physical Properties   | Metric                | English                   | Comments           |
|-----------------------|-----------------------|---------------------------|--------------------|
| Density               | 1.18 g/cc             | 0.0426 lb/in <sup>3</sup> | ASTM D792          |
| Water Absorption      | 1.4 %                 | 1.4 %                     | (24 hr); ASTM D570 |
| Linear Mold Shrinkage | 0.0020 - 0.0060 cm/cm | 0.0020 - 0.0060 in/in     | ASTM D955          |

| Mechanical Properties     | Metric    | English       | Comments  |
|---------------------------|-----------|---------------|-----------|
| Tensile Strength at Break | 34.5 MPa  | 5000 psi      | ASTM D638 |
| Tensile Strength, Yield   | 24.8 MPa  | 3600 psi      | ASTM D638 |
| Flexural Yield Strength   | 32.8 MPa  | 4760 psi      | ASTM D790 |
| Flexural Modulus          | 1.10 GPa  | 160 ksi       | ASTM D790 |
| Izod Impact, Notched      | 3.74 J/cm | 7.01 ft-lb/in | ASTM D256 |

| Thermal Properties                          | Metric  | English | Comments   |
|---------------------------------------------|---------|---------|------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 69.0 °C | 156 °F  | ASTM D648  |
| Vicat Softening Point                       | 100 °C  | 212 °F  | ASTM D1525 |

| Processing Properties | Metric  | English | Comments  |
|-----------------------|---------|---------|-----------|
| Melt Temperature      | 221 °C  | 430 °F  | Injection |
| Mold Temperature      | 52.0 °C | 126 °F  |           |

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