

Rotuba CAB B9004 (5% Plasticizer)

Cellulose Acetate Butyrate

Rotuba Extruders, Inc.

Message:

Rotuba CAB B9004 (5% Plasticizer) is a cellulose acetate butyrate (CAB) product. It can be processed by injection molding and is available in North America. Rotuba CAB B9004 (5% Plasticizer) has applications including optics/lenses, automotive industry, commercial/office supplies, consumer goods and handles.

- Features include:
- flame retardant/rated flame
 - environmental protection/green
 - Good dimensional stability
 - Impact resistance
 - good weather resistance

| General Information | | | |
|----------------------------|-----------------------------------|-------------------|-------------|
| Features | Good dimensional stability | | |
| | Updatable resources | | |
| | Low temperature impact resistance | | |
| | Good weather resistance | | |
| | amorphous | | |
| Uses | Handle | | |
| | Optical applications | | |
| | Application in Automobile Field | | |
| | Toys | | |
| | Stationery | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.20 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.20 - 0.60 | % | ASTM D955 |
| Water Absorption (24 hr) | 1.6 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | | | ASTM D638 |
| Yield | 36.5 | MPa | ASTM D638 |
| Fracture | 44.1 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 30 | % | ASTM D638 |
| Flexural Modulus | 1380 | MPa | ASTM D790 |
| Flexural Strength | 45.5 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 150 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |

| | | | |
|---|---------------|------|-------------|
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 82.8 | °C | ASTM D648 |
| Vicat Softening Temperature | 115 | °C | ASTM D1525 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating (3.2 mm) | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 243 | °C | |
| Mold Temperature | 71 | °C | |

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