

Rotuba CA H3

Cellulose Acetate
Rotuba Extruders, Inc.

Message:

Rotuba CA H3 is a cellulose acetate (CA) product. It can be processed by injection molding and is available in North America. The application areas of Rotuba CA H3 include tools, consumer goods and medical/health care. The main features are: environmental protection/green.

| General Information | | | |
|-----------------------------|----------------------|-------------------|-------------|
| Features | Updatable resources | | |
| | Good stability | | |
| | Good color stability | | |
| Uses | Mould | | |
| | Buttons | | |
| | Toys | | |
| | Glasses | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.28 | g/cm ³ | ASTM D792 |
| Water Absorption (24 hr) | 2.3 | % | ASTM D570 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 93 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | | | ASTM D638 |
| Yield | 36.9 | MPa | ASTM D638 |
| Fracture | 46.2 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 32 | % | ASTM D638 |
| Flexural Modulus | 1410 | MPa | ASTM D790 |
| Flexural Strength (Yield) | 57.9 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| -40°C | 59 | J/m | ASTM D256 |
| 23°C | 170 | J/m | ASTM D256 |

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