

Rotuba CA H4

Cellulose Acetate
Rotuba Extruders, Inc.

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Technical Data

Product Description

Rotuba CA H4 is a Cellulose Acetate (CA) product. It can be processed by injection molding and is available in North America. Applications of Rotuba CA H4 include consumer goods, medical/healthcare and tools. Primary characteristic: eco-friendly/green.

General

Material Status	• Commercial: Active		
Literature ¹	• Processing - Rotuba CA (English)		
Availability	• North America		
Features	• Good Color Stability	• Good Stability	• Renewable Resource Content
Uses	• Buttons • Eyeglasses	• Tooling • Toys	
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.29 g/cm ³	ASTM D792
Water Absorption (24 hr)	2.3 %	ASTM D570
Mechanical	Nominal Value Unit	Test Method
Tensile Strength		ASTM D638
Yield	40.3 MPa	
Break	49.6 MPa	
Tensile Elongation (Yield)	28 %	ASTM D638
Flexural Modulus	1520 MPa	ASTM D790
Flexural Strength (Yield)	64.1 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact		ASTM D256
-40°C	53 J/m	
23°C	150 J/m	
Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	101	ASTM D785

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

