

# Rotuba CAB B9024 (5% Plasticizer)

Cellulose Acetate Butyrate

Rotuba Extruders, Inc.

Message:

Rotuba CAB B9024 (5% Plasticizer) is a cellulose acetate butyrate (CAB) product. It can be processed by injection molding and is available in North America. Rotuba CAB B9024 (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 <sup>3</sup>	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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#### Recommended distributors for this material

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