

Rotuba CA M

Cellulose Acetate

Rotuba Extruders, Inc.

Message:

Rotuba CA M 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 M 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	1.27	g/cm ³	ASTM D792
Water Absorption (24 hr)	2.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	55		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	23.4	MPa	ASTM D638
Fracture	32.4	MPa	ASTM D638
Tensile Elongation (Yield)	47	%	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Flexural Strength (Yield)	33.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	64	J/m	ASTM D256
23°C	270	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	66 - 77	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	182 - 193	°C	
Middle Temperature	182 - 193	°C	

Front Temperature	182 - 193	°C
Nozzle Temperature	193 - 204	°C
Mold Temperature	43 - 54	°C
Injection Pressure	7.58 - 8.96	MPa
Back Pressure	0.00 - 0.345	MPa

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