

Rotuba CAP CP800 (8% Plasticizer)

Cellulose Acetate Propionate

Rotuba Extruders, Inc.

Message:

Rotuba CAP CP800 (8% Plasticizer) is a cellulose acetate propionate (CAP) product. It can be processed by injection molding and is available in North America. Rotuba CAP CP800 (8% Plasticizer) has applications including optics/lenses, containers and handles.

Features include:

flame retardant/rated flame

environmental protection/green

Good dimensional stability

Good stiffness

good weather resistance

General Information			
Features	Good dimensional stability		
	Rigid, good		
	Updatable resources		
	Good strength		
	Good weather resistance		
Uses	Handle		
	Optical applications		
	Container		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 - 0.60	%	ASTM D955
Water Absorption (24 hr)	1.7	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	33.8	MPa	ASTM D638
Fracture	41.4	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	1310	MPa	ASTM D790
Flexural Strength	42.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	82.2	°C	ASTM D648
Vicat Softening Temperature	107	°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	74	°C

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