

Rotuba CAP CP800 (12% Plasticizer)

Cellulose Acetate Propionate

Rotuba Extruders, Inc.

Message:

Rotuba CAP CP800 (12% Plasticizer) is a cellulose acetate propionate (CAP) product. It can be processed by injection molding and is available in North America. Rotuba CAP CP800 (12% Plasticizer) has applications including optics/lenses, containers and handles.

Features include:

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	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 - 0.60	%	ASTM D955
Water Absorption (24 hr)	1.5	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	29.0	MPa	ASTM D638
Fracture	34.5	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	1170	MPa	ASTM D790
Flexural Strength	39.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	350	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	75.0	°C	ASTM D648
Vicat Softening Temperature	96.1	°C	ASTM D1525

Injection	Nominal Value	Unit
Processing (Melt) Temp	229	°C
Mold Temperature	57	°C

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

