

## Albis Plastics Cellulose Acetate Propionate CP800 (Base Grade), 8% Plasticizer (discontinued \*\*)

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Cellulosic , Cellulose Acetate Propionate, Molded

### Material Notes:

Amorphous Cellulose Acetate Propionate (CAP) Characteristics: Strength, Hardness, Stiffness, Weatherability and Dimensional

Stability Applications: Brush Handles, Safety Glasses, Optical Products and Containers Processing: Injection Molding (Melt Temperature:

470°F, Mold Temperature: 165°F) Data supplied by Albis Plastics Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Albis-Plastics-Cellulose-Acetate-Propionate-CP800-Base-Grade-8-Plasticizer-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Albis-Plastics-Cellulose-Acetate-Propionate-CP800-Base-Grade-8-Plasticizer-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.7 %	1.7 %	(24 hr); ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	41.4 MPa	6000 psi	ASTM D638
Tensile Strength, Yield	33.8 MPa	4900 psi	ASTM D638
Flexural Yield Strength	42.7 MPa	6190 psi	ASTM D790
Flexural Modulus	1.31 GPa	190 ksi	ASTM D790
Izod Impact, Notched	1.76 J/cm	3.30 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	82.0 °C	180 °F	ASTM D648
Vicat Softening Point	107 °C	225 °F	ASTM D1525
Flammability, UL94	HB	HB	0.125 in

Processing Properties	Metric	English	Comments
Melt Temperature	243 °C	469 °F	Injection
Mold Temperature	74.0 °C	165 °F	

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