

Albis Plastics Cellulose Acetate Propionate CP800 (Base Grade), 10% 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:

460°F, Mold Temperature: 150°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-10-Plasticizer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	ASTM D792
Water Absorption	1.6 %	1.6 %	(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	39.3 MPa	5700 psi	ASTM D638
Tensile Strength, Yield	31.7 MPa	4600 psi	ASTM D638
Flexural Yield Strength	41.4 MPa	6000 psi	ASTM D790
Flexural Modulus	1.24 GPa	180 ksi	ASTM D790
Izod Impact, Notched	2.46 J/cm	4.61 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	78.0 °C	172 °F	ASTM D648
Vicat Softening Point	102 °C	216 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	238 °C	460 °F	Injection
Mold Temperature	66.0 °C	151 °F	

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