

Albis Plastics Cellulose Acetate CA700 , Unreinforced, 31% Plasticizer (discontinued **)

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

Material Notes:

Amorphous Cellulose Acetate (CA) Characteristics: Chemical Resistance, Toughness, Strength, Hardness, Gloss, Clarity and

"Feel" Applications: Tool Handles, Optical Products, Toys and Sheet Products Processing: Injection Molding (Melt Temperature: 470°F, Mold

Temperature: 160°F) Data supplied by ALBIS Plastics Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Albis-Plastics-Cellulose-Acetate-CA700-Unreinforced-31-Plasticizer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ASTM D792
Water Absorption	2.3 %	2.3 %	(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	36.5 MPa	5290 psi	ASTM D638
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Flexural Yield Strength	42.1 MPa	6110 psi	ASTM D790
Flexural Modulus	1.38 GPa	200 ksi	ASTM D790
Izod Impact, Notched	1.87 J/cm	3.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	66.0 °C	151 °F	ASTM D648
Vicat Softening Point	108 °C	226 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	224 °C	435 °F	Injection Molding
Mold Temperature	54.0 °C	129 °F	

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