

Albis Plastics Cellulose Acetate CA700 , Unreinforced, 37% 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-37-Plasticizer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	ASTM D792
Water Absorption	2.6 %	2.6 %	(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	24.1 MPa	3500 psi	ASTM D638
Tensile Strength, Yield	19.3 MPa	2800 psi	ASTM D638
Flexural Yield Strength	27.6 MPa	4000 psi	ASTM D790
Flexural Modulus	1.24 GPa	180 ksi	ASTM D790
Izod Impact, Notched	2.94 J/cm	5.51 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ASTM D648
Vicat Softening Point	90.0 °C	194 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	202 °C	396 °F	Injection Molding
Mold Temperature	38.0 °C	100 °F	

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