

Albis Plastics Cellulose Acetate CA700 , Unreinforced, 29% 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-29-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	33.1 MPa	4800 psi	ASTM D638
Tensile Strength, Yield	29.6 MPa	4290 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Flexural Yield Strength	46.9 MPa	6800 psi	ASTM D790
Flexural Modulus	1.93 GPa	280 ksi	ASTM D790
Izod Impact, Notched	2.03 J/cm	3.80 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	68.0 °C	154 °F	ASTM D648
Vicat Softening Point	105 °C	221 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	229 °C	444 °F	Injection Molding
Mold Temperature	57.0 °C	135 °F	

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