

Albis Plastics Cellulose Acetate CA700 , Unreinforced, 25% 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-25-Plasticizer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 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	40.7 MPa	5900 psi	ASTM D638
Tensile Strength, Yield	37.2 MPa	5400 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Flexural Yield Strength	62.7 MPa	9090 psi	ASTM D790
Flexural Modulus	2.34 GPa	339 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	77.0 °C	171 °F	ASTM D648
Vicat Softening Point	113 °C	235 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	243 °C	469 °F	Injection Molding
Mold Temperature	71.0 °C	160 °F	

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