

NaturePlast ACI 001

Cellulose Acetate

NaturePlast

Message:

Cellulose esters are thermoplastic resins partially (maximum 45%) made from renewable vegetal resources and are poorly biodegradable.
Cellulose esters can be processed on standard equipments.
Markets : cosmetics, horticulture, medical, technical parts...
Properties
Transparent.
Processing easiness in injection molding.
Good thermal and mechanical properties.
Standard

General Information			
Additive	Plasticizer (12%)		
Features	Good Processability		
	Plasticized		
	Renewable Resource Content		
Uses	Cosmetics		
	Engineering Parts		
	Lawn and Garden Equipment		
	Medical/Healthcare Applications		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Elongation (Break)	45	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	420	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	75.0	°C	ASTM D648

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