

# NaturePlast ACI 002

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 (29%)		
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	1.27	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	1930	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	68.0	°C	ASTM D648

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