

Auracell® H4

Cellulose Acetate
Rotuba Extruders, Inc.

Message:

Auracell® H4 is a Cellulose Acetate (CA) product. It can be processed by injection molding and is available in Europe or North America. Primary characteristic: eco-friendly/green.

General Information			
Features	Renewable Resource Content		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	2.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	101		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	40.3	MPa	
Break, 23°C	49.6	MPa	
Break, 70°C	28.3	MPa	
Tensile Elongation (Break)	28	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Flexural Strength (Yield)	64.1	MPa	ASTM D790
Deformation Under Load			ASTM D621
50°C, 6.9 MPa	1.00	%	
50°C, 14 MPa	1.00	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	53	J/m	
23°C	150	J/m	
Aging	Nominal Value	Unit	Test Method
Accelerated Aging - wt. lost, 72 hr (82°C)	0.5	wt%	ASTM D706
Flow Beginning Temperature	170	°C	ASTM D569
Soluble Matter Loss	0.10	%	ASTM D570

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Recommended distributors for this material

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