



Product Information

Green Cell Foam 100AS Anti-Static

Brand Biodegradable Starch Based Foam Plank

Green Cell Foam is a strong, resilient, medium-density (3.6 pcf) foam. The foam is a starch based foam that is naturally anti-static and it works to dissipate electro-static charges from other sources. The foam is ideally suited as a component material in products requiring a shock absorbing, vibration dampening, insulating

material used as a cushioning component in packaging applications for impacts and loadings up to .89 psi. Green Cell 100AS is an extruded starch based foam that is made from a renewable resource and is biodegradable per ASTM 6400. Green Cell foam is formulated to consistently meet stringent shipping,

storage and handling requirements.

Sizes Available:

Sheets; .25" x 24" x 54"

Plank; .5" x 24" x 54"

Plank; 1" x 24" x 54"

Plank; 2" x 24" x 54"

Plank; 3" x 24" x 54"

Color available; any color

upon request.

Property Tested	Test Method	Units	Direction	3" Product	2" Product
Density	ASTM D3575 SUFFIX W	pcf		3.77	3.69
METHOD A					
COMPRESSION DEFLECTION	CID A-A-59135 (1997)				
	ASTM D3575-00 SUFFIX D	PSI (KPa)			
5%			VERTICAL	0.7	0.6
10%			VERTICAL	1.3	1.1
25%			VERTICAL	2.8	2.5
50%			VERTICAL	7.5	7.2
75%			VERTICAL	35.5	35.9
Thermal Resistance Thickness	ASTM C 518-98	inches		3.199	2.117
K-Factor		Btu*in/h*ft ² *°F		0.3166	0.2896
R-Value		°F*ft ² *h/Btu		10.11	7.312
R/inch (actual)		°F*ft ² *h/Btu*in		3.159	3.453
Water Absorption	ASTM D 2842-97			Dissolved in 5 Minutes	Dissolved in 5 Minutes
Procedure B		% by volume			
Water Absorption	ASTM C578-95 AND C272-91(1996)	% by volume		Dissolved in 5 Minutes	Dissolved in 5 Minutes
Dynamic Cushioning	30" Drop Height Cushion Curves		Static Load (psi)		
		g's	0.05	70.89	-
			0.11	58.92	-
			0.23	59.87	98.49
			0.29	54.6	94.67
			0.36	57.65	91.72
			0.53	66.07	108.73
			0.71	74.45	125.42
			0.89	87.5	-