

Material Specifications

Grow It Yourself™ material



Certifications

- 100% USDA Biobased Preferred
- Class A Fire Retardant
- Biodegradable Product Institute Certified
- International Living Future Institute, Declared Red-List Free
- VOC Free
- Aldehyde Free
- Plastic Free

Description

Ingredients: Hemp hurd and mycelium
Home-Compost: 45 days
Marine-Compost: 180 days

Grow It Yourself™ materials are made with Ecovative's MycoComposite™ technology.

Grow.bio is the education and community division of Ecovative and provides these materials to classrooms and artists so they may design with mycelium at home.



Attribute

Standard

Hemp Blend

Density lbs/ft ³	ASTM C303	7.5
Compressive Strength psi	ASTM C165	18
Compressive Elastic Modulus psi	ASTM C165	165
Flexure Strength psi	ASTM C203	34
Compostability days	ASTM D6400	30
Flame Spread m ² / m ²	ASTM E84	20
Smoke Emission m ² / m ²	ASTM E84	50
Thermal Conductivity @ 10°C W/mK	ASTM C518	0.039
Water Vapor Permeation dry cup	ASTM E96	30
Moisture Storage @ 53.5% RH %	ASTM C1498	8
Moisture Storage @ 75% RH %	ASTM C1498	12



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