Technical Datasheet

PVC75

EasyCell 75 Closed Cell PVC Foam

Key Features

- Almost no water absorption
- Excellent strength to weight ratio
- Good thermal insulation
- Fire retardant (self extinguishing)
- Will not rot
- Good styrene resistance
- Good impact and fatigue resistance
- Drilled version for resin transfer

Description

EasyCell 75 is a closed cell, cross-linked PVC foam core with a nominal density of 75kg/m³. It's combination of high mechanical performance, low resin uptake, ease-of-use and value for money make PVC foam one of the most widely used core materials in composites and an excellent choice for a wide range of sandwich panel/foam core laminates. This is suitable for hand-layup, vacuum bag and press lamination.

Recommended Uses

As a high performance, low cost core material EasyCell75 is suitable for a wide range of application including:

- Aero model making
- Recreation equipment such as skis, snowboards, kiteboards and wakeboards
- Motorsport body panels, floors and splitters
- Aircraft interiors, fuselages
- Architectural panels, cladding, enclosures
- Marine hulls, decks, hatches and floors
- Wind energy turbine blades, enclosures

Drilled & Grooved Version

A drilled and grooved version is available that is ideal for resin infusion and other resin transfer processes with the drilled holes allowing resin flow across the core and the grooves helping resin distribution under the core.

Properties

The following table lists the specification and properties for the EasyCell 75 Closed Cell PVC Foam.

Property	Unit	Test Method	Value
Density	kg/m³	ISO 845	75
Compressive Strength	mPa	ISO 844:2014B	1.60
Compressive Modulus	mPa	ISO 844:2014B	97
Tensile Strength	mPa	ASTM D 1623	2.74
Tensile Modulus	mPa	ASTM D 1623	146
Shear Strength	mPa	ISO 1922	1.20
Shear Modulus	mPa	ISO 1922	30
Shear Elongation at Break	%	ISO 1922	19
Colour	-	-	Green
Max Processing Temperature	°C	-	90
Heat Distortion Temperature	°C	DIN 53424	125

Disclaimer

This data is not to be used for specifications. Values listed are for typical properties and should not be considered minimum or maximum. Our technical advice, whether verbal or in writing, is given in good faith but Easy Composites Ltd gives no warranty; express or implied, and all products are sold upon condition that purchasers will make their own tests to determine the quality and suitability of the product for their particular application and circumstances.

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