

TECHNICAL DATASHEET

MILLIFOAM RHC71S

MILLIFOAM® ROHACELL® S is a self-extinguishing, closed-cell PMI structural foam designed for lightweight sandwich structures with demanding fire, smoke and toxicity (FST) requirements. It is well suited for aerospace, rail and marine applications and can be supplied with certification to FAR 25.853 (including burn and smoke density requirements), supporting use in safety-critical aircraft interior and structural components.

Polymer	PMI	Sheet Size	2500 x 625 mm
Thickness range	0.5 - 4 mm	Supplier	Evonik GmbH

Optimized for prepreg and resin infusion processing, MILLIFOAM® ROHACELL® S supports curing temperatures up to approx. 130 °C and enables single-step curing concepts. The foam is thermoformable and CNC-machinable, allowing precise, ready-to-use core geometries with low resin uptake and reliable, repeatable performance in advanced composite manufacturing.

Properties

Density	75 kg/m ³
Compressive Strength	1.5 MPa
Tensile Strength	1.9 MPa
Tensile Modulus	90 MPa
Shear Strength	1.2 MPa
Shear Modulus	34 MPa
Thermoforming Temperature	210 °C (410 °F)
Drying Conditions	4 hrs @ 130 °C ± 5 °C (266 °F ± 9 °F)

Disclaimer

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