

TECHNICAL DATASHEET

MILLIFOAM APS100FR

MILLIFOAM® APS100FR is a closed-cell sustainable polyethylenterephthalat (PET) structural foam core with fire-retardant and self-extinguish properties. The foam grade is certified according to relevant fire safety standards (e.g. NF F16-101, DIN 5510-2, EN 13823 and EN 45545-2).

Polymer	PET (100% recycled)	Sheet Size	2440 x 500 mm
Thickness range	1.0-4.0 mm	Supplier	Armacell

In addition to its excellent fire safety performance, MILLIFOAM® APS100FR provides a durable final product solution with high impact resistance for long-term performance. This makes it ideal for the use in transportation and construction. MILLIFOAM® APS100FR can be processed at temperatures up to 150°C (302°F) and is compatible with all common resin systems and lamination processes like infusion or prepreg.

Properties

Density	100 kg/m ³
Compressive Strength	1.5 MPa
Compressive Modulus	180 MPa
Tensile Strength	2.4 MPa
Tensile Modulus	105 MPa
Shear Strength	0.80 MPa
Shear Modulus	20 MPa
Thermal Conductivity at 23°C	0.034 W/mK
Thermoforming Temperature	155-190°C (311-374°F)

Disclaimer

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