

TECHNICAL DATASHEET

MILLIFOAM APS250GR

MILLIFOAM® APS250GR is a closed-cell, 100% recyclable thermoplastic polyethylenterephthalat (PET) structural foam core. The foam grade offers new perspectives towards sustainable composite products and is steadily substituting core materials such as Balsa, SAN or PVC.

Polymer	rPET (100% rec.)	Sheet Size	2440 x 500 mm
Thickness range	1.0-5.0 mm	Supplier	Armacell

MILLIFOAM® APS250GR has a high temperature resistance up to 150°C (300°F), which leads to shorter cycle times, increased productivity and better mechanical properties in the laminate. The foam is compatible with all common resin systems and lamination processes like infusion or prepreg. Its thermoformability provides tremendous manufacturing advantages and makes it easy to shape by machining. MILLIFOAM® APS200GR can be used in wind energy, rail and road transport, marine or building and construction.

Properties

Density	250 kg/m ³
Compressive Strength	5.3 MPa
Compressive Modulus	270 MPa
Tensile Strength	4.3 MPa
Tensile Modulus	270 MPa
Shear Strength	2.0 MPa
Shear Modulus	70 MPa
Thermal Conductivity at 23°C	0.047 W/mK
Thermoforming Temperature	155-190°C (311-374°F)

Disclaimer

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