

# TECHNICAL DATASHEET

## **MILLIFOAM ARX100T10**

MILLIFOAM® ARX100T10 is a closed-cell, thermoplastic and recyclable rigid foam based on polyethylenterephthalat (PET) chemistry. Due to its high mechanical properties and an outstanding price/performance ratio, it is suited for high volume applications of lightweight sandwich structures subjected to static and dynamic loads and/or exposed to elevated temperatures during manufacturing.

Polymer	PET	Sheet Size	2440 x 500 mm
Thickness range	1.0-3.0 mm	Supplier	Airex AG

MILLIFOAM® ARX100T10 has an extraordinary resistance to fatigue, is chemically stable, UV resistant and has negligible water absorption. It is thermally stable during high temperature processing and suitable for the use with all resin systems and lamination processes with temperatures up to 150°C (300°F). Its thermoformability provides tremendous manufacturing advantages and makes it easy to shape by machining.

Properties	
Density	100 kg/m <sup>3</sup>
Compressive Strength	1.2 MPa
Compressive Modulus	105 MPa
Tensile Strength	2.0 MPa
Tensile Modulus	150 MPa
Shear Strength	1.1 MPa
Shear Modulus	34 MPa
Coefficient of Thermal Expansion	2.0 1/K*10E-5
Thermoforming Temperature	155-190°C (311-374°F)

### Disclaimer

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