

TECHNICAL DATASHEET

MILLIFOAM ARX75C70

MILLIFOAM® ARX75C70 is a closed-cell, cross-linked polymer foam based on polyvinylchloride (PVC) chemistry and contains no CFC's. The fine cell structure offers an excellent bonding surface. The material is suited as a core material for a wide variety of sandwich structures subjected to static and dynamic loads and combines excellent stiffness and strength to weight ratios with superior toughness.

Polymer	PVC	Sheet Size	2180 x 510 mm
Thickness range	1.0-4.0 mm	Supplier	Airex AG

MILLIFOAM® ARX75C70 has a negligible water absorption and provides an excellent resistance to chemicals. The foam is compatible with most resins and manufacturing processes. As material in sandwich structures it is hot and cold formable and gives additionally freedom for design innovation. The thermoforming process window depends on geometry, applied stretching, thermoforming method and sheet thickness.

Properties

Density	80 kg/m ³
Compressive Strength	1.45 MPa
Compressive Modulus	104 MPa
Tensile Strength	2.0 MPa
Tensile Modulus	66 MPa
Shear Strength	1.2 MPa
Shear Modulus	30 MPa
Dielectric constant @ 12GHz	1.096
Loss tangent @ 12GHz	0.00189
Coefficient of Thermal Expansion	4.5 1/K*10E-5
Thermoforming Temperature	115-130°C (240-265°F)

Disclaimer

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