

TECHNICAL DATASHEET

MILLIFOAM DIV80U

MILLIFOAM® DIV80U is a recyclable open-cell, thermoplastic foam based on polyetherimide (PEI) chemistry. It offers excellent fire, smoke and toxicity (FST) properties combined with a low moisture absorption and a high strength to weight ratio. With its extremely low dielectric constant and transmission properties the foam is suitable for antenna systems and radome applications.

Polymer	PEI	Sheet Size	2440 x 565 mm
Thickness range	0.5-5.0 mm	Supplier	Diab Group

MILLIFOAM® DIV80U is thermoformable and compatible with a wide range of different skin layers and adhesives. Due to its excellent drapeability it can be easily used as core layer in 3D sandwich structures.

Properties	
Density	80 kg/m ³
Compressive Strength	1.1 MPa
Compressive Modulus	35 MPa
Tensile Strength	2.8 MPa
Shear Strength	1.0 MPa
Shear Modulus	16 MPa
Thermal Conductivity at 23°C	0.038 W/mK
Dielectric Constant	1.10
Thermoforming Temperature	205-210°C (400-410°F)

Disclaimer

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4a manufacturing GmbH
Industriepark 1 // A-8772 Traboch
office@4a-manufacturing.at // +43 664 80106-600

www.4a-manufacturing.at