

# TECHNICAL DATASHEET

## **MILLIFOAM DIV105PL**

MILLIFOAM® DIV105PL is an all recyclable and excellent thermoplastic PET core material for composite sandwich structures. It is suitable for a variety of processing including infusion, prepreg and press bonding.

Polymer	PET	Sheet Size	2440 x 500 mm
Thickness range	0.5-5.0 mm	Supplier	Diab

MILLIFOAM® DIV105PL thin rigid foam sheets provide a high shear strain, an ultra-low resin uptake and allow high processing temperatures. It is compatible with most common glues and resin systems and is an ideal core material in sandwich structures for the uses across all industries

Properties	
Density	105 kg/m <sup>3</sup>
Compressive Strength	1.5 MPa
Compressive Modulus	112 MPa
Shear Strength (parallel to welding lines)	0.95 MPa
Shear Modulus (parallel to welding lines)	25 MPa
Shear Strength (perpendicular to welding lines)	0.85 MPa
Shear Modulus (perpendicular to welding lines)	23 MPa
Shear Strain (perpendicular to the plane)	30 %
Thermal Conductivity at 23°C	0.034 W/mK
Thermoforming Temperature	155-190°C (311-374°F)

#### Disclaimer

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