

TECHNICAL DATASHEET

MILLIFOAM KER80GR

MILLIFOAM® KER80GR is a closed-cell, rigid polymer foam based on polyethylenterephthalat (PET) chemistry. It is the foam of choice for structural core materials with stable properties and improved resin uptake performance. It allows to comply with the wind energy aim to reduce footprint and reinforce overall goals of waste reduction.

Polymer	PET	Sheet Size	2440 x 500 mm
Thickness range	1.0-5.0 mm	Supplier	Gurit

MILLIFOAM® KER80GR is compatible with a wide range of resin systems including epoxy, vinyl ester, unsaturated polyester and phenolic resins. It can be processed at high temperatures, withstanding high exotherms and offers outstanding chemical resistance and good adhesion. Applicable processing techniques include vacuum infusion, bonding, prepreg, and thermoforming. As highly consistent foam, it is ideal for wind energy, marine, industrial, and transportation applications.

Properties	
Density	80 kg/m ³
Compressive Strength	0.86 MPa
Compressive Modulus	74 MPa
Tensile Strength	1.54 MPa
Shear Strength	0.59 MPa
Shear Modulus	18 MPa
Thermoforming Temperature	140-160°C (284-320°F)

Disclaimer

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