

TECHNICAL DATASHEET

MILLIFOAM RHC51IGF

MILLIFOAM® RHC51IGF is a closed-cell rigid foam based on polymethacrylimide (PMI) chemistry and contains no CFC's. It is the structural foam of choice for a broad range of automotive, electronics, medical and other industrial applications. In the medical market, it is a commonly used core material for x- ray and CT tabletops.

Polymer	PMI	Sheet Size	2500 x 625 mm
Thickness range	1.0-3.0 mm	Supplier	Evonik GmbH

Less resin uptake during part processing means lower final part weight and reduced overall cost. MILLIFOAM® RHC51IGF is suitable for prepreg processing, resin infusion and RTM process up to temperatures of 130°C (266°F) and pressures of 0.3 MPa (44 psi). Its thermoformability provides tremendous manufacturing advantages and makes it easy to shape by machining.

Properties

Density	52 kg/m ³
Compressive Strength	0.9 MPa
Compressive Modulus	43 MPa
Tensile Strength	1.9 MPa
Tensile Modulus	70 MPa
Shear Strength	0.8 MPa
Shear Modulus	19 MPa
Coefficient of Thermal Expansion	4.71 1/K*10E-5
Thermoforming Temperature	195°C (383°F)
Drying Conditions	4 hrs @ 130°C ± 5°C (266°F ± 9°F)

Disclaimer

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