

TECHNICAL DATASHEET

MILLIFOAM RHC110XT

MILLIFOAM® RHC110XT is a closed-cell rigid foam based on polymethacrylimide (PMI) chemistry and contains no CFC's. This foam is designed to meet demanding process requirements. It is used for example use in the toughest conditions in aeronautic and aerospace applications.

Polymer	PMI	Sheet Size	2160 x 550 mm
Thickness range	0.5-3.0 mm	Supplier	Evonik GmbH

MILLIFOAM® RHC110XT can withstand curing temperatures up to 180 °C (356 °F) and pressures up to 0.45 MPa (65 psi). The foam is compatible with BMI resins and suitable for autoclave technologies, vacuum infusion, RTM and VARTM processes. Thermoforming and shaping are easily possible as well as CNC machining to deliver a foam product ready to be further processed.

Properties	
Density	110 kg/m ³
Compressive Strength	3.6 MPa
Tensile Strength	3.7 MPa
Tensile Modulus	180 MPa
Elongation at Break	4.0 %
Shear Strength	2.1 MPa
Shear Modulus	63 MPa
Thermoforming Temperature	195°C (383°F)
Drying Conditions	4 hrs @ 130°C ± 5°C (266°F ± 9°F)

Disclaimer

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