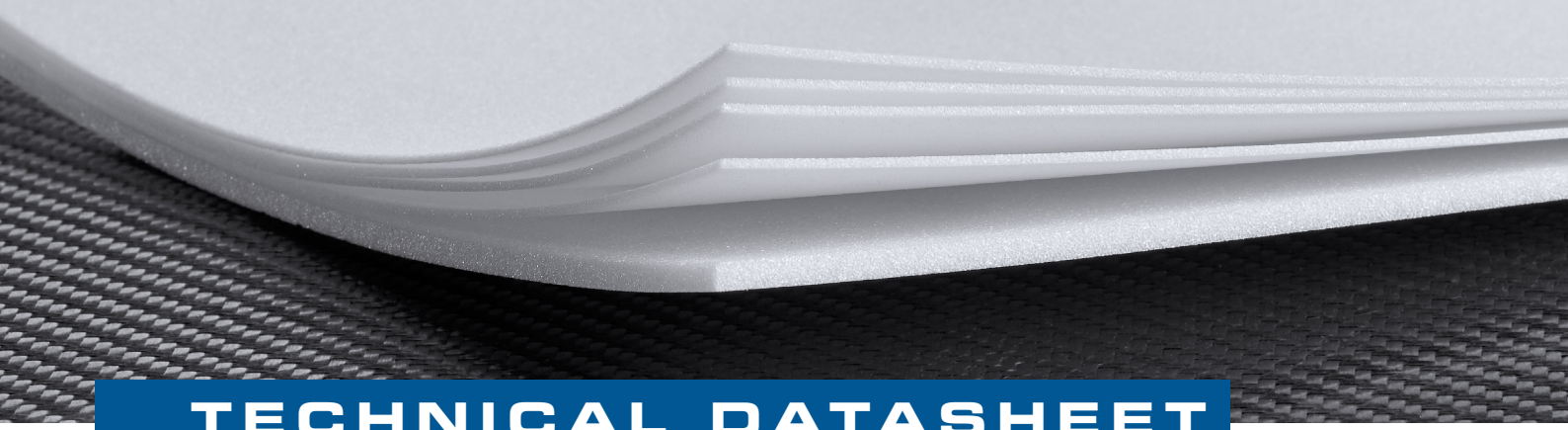

TECHNICAL DATASHEET

MILLIFOAM RHC71XT

MILLIFOAM® RHC71XT 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 in aeronautic and aerospace applications.

Polymer	PMI	Sheet Size	2500 × 625 mm
Thickness range	0.3–4.0 mm	Supplier	Evonik GmbH

MILLIFOAM® RHC71XT 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	75 kg/m³
Compressive Strength	1.7 MPa
Tensile Strength	2.2 MPa
Tensile Modulus	105 MPa
Elongation at Break	4.0 %
Shear Strength	1.4 MPa
Shear Modulus	42 MPa
Thermoforming Temperature	195 °C (383 °F)
Drying Conditions	4 hrs @ 130 °C ± 5 °C (266°F ± 9 °F)

Disclaimer
MILLIFOAM® is a registered trademark of 4a manufacturing GmbH. We have taken great care in preparing the presented data and technical advice. However, the data is based on vendor information and no warranty is made, either expressed or implied, regarding its accuracy or the results to be obtained from the use of such information.

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4a MANUFACTURING

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