

TECHNICAL DATASHEET

MILLIFOAM RHC71SL

MILLIFOAM® RHC71SL is a closed-cell rigid foam based on polymethacrylimide (PMI) chemistry. This foam type provides excellent strength and bending stiffness when needed. It offers outstanding mechanical strength and can resist high tensile loads. These properties make this foam type an excellent choice for applications with dynamic mechanical loads.

Polymer	PMI	Sheet Size	2500 x 625 mm
Thickness range	0.5-2.5 mm	Supplier	Evonik GmbH

Featuring a fine cell structure, MILLIFOAM® RHC71SL ensures minimal resin uptake while ensuring a strong connection to skin layers. The high curing temperatures reduce cycles times and provide excellent laminate properties. Drying prior to processing will improve the creep resistance behaviour of the foam and is important when processing temperatures will be above 100°C (212°F), depending on the process pressure.

Properties	
Density	75 kg/m ³
Compressive Strength	1.5 MPa
Compressive Modulus	76 MPa
Tensile Strength	3.7 MPa
Tensile Modulus	120 MPa
Elongation at Break	4.0 %
Shear Strength	1.4 MPa
Shear Modulus	33 MPa
Coefficient of Thermal Expansion	3.85 1/K*10E-5
Thermoforming Temperature	200°C (392°F)
Drying Conditions	4 hrs @ 130°C ± 5°C (266°F ± 9°F)

Disclaimer

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