

## ROHACELL® XT



### For the most demanding process conditions

ROHACELL® XT is a closed-cell rigid foam based on polymethacrylimide (PMI) chemistry that is completely free of CFC's and is engineered to meet extreme and demanding processing requirements.

### Processing and production

Of all the ROHACELL® grades, it is the grade that is best suited to withstand the most demanding process conditions: curing temperatures of up to 180°C (356°F) and pressures as high as 0.45 MPa (65 psi).

After heat treatment, ROHACELL® XT-HT can even be used at temperatures of 190°C (374°F) and a pressure of 0.7 MPa (102 psi). Temperatures of up to 240°C (464°F) are possible in a pressureless post-cure process.

These extreme properties make ROHACELL® XT the ideal foam for use with BMI resins, among other materials.

ROHACELL® XT foam is suitable for autoclave technologies, vacuum infusion, RTM and VARTM processes.

### Thermoforming and shaping

ROHACELL® XT can be easily thermoformed or CNC machined to meet customer requirements.

High precision, pre-shaped and ready-to-use foam cores in complex or simple geometries can also be supplied by the ROHACELL® Shapes Department.

## ROHACELL® XT properties

Property	Standard	Unit	ROHACELL® 71 XT	ROHACELL® 110 XT
Density	ISO 845	kg/m <sup>3</sup>	75	110
	ASTM D 1622	lbs/ft <sup>3</sup>	4.68	6.87
Compressive Strength	ISO 844	MPa	1.7	3.6
	ASTM D 1621	psi	246	522
Tensile Strength	ISO 527-2	MPa	2.2	3.7
	ASTM D 638	psi	319	536
Elastic Modulus	ISO 527-2	MPa	105	180
	ASTM D 638	psi	15,225	26,100
Shear Strength	DIN 53294	MPa	1.4	2.1
	ASTM C 273	psi	203	304
Shear Modulus	DIN 53294	MPa	42	63
	ASTM C 273	psi	6,090	9,135
Strain at break	ISO 527,2	%	4	4
	ASTM D 638			

Technical data of our products are typical values for the nominal density.

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