

Product Information

ROHACELL® XT

Polymethacrylimide Foam

ROHACELL® XT is a closed-cell rigid foam based on polymethacrylimide (PMI) chemistry, which does not contain any CFC's.

Of all ROHACELL® grades, it is the one best suited for the most demanding process conditions: It can take curing temperatures as high as 180°C and pressures as high as 0.45 MPa. After heat treatment, ROHACELL® XT-HT can even be used at temperatures of 190°C and a pressure of 0.7 MPa. Temperatures of up to 240°C are possible in a pressureless post-cure process, too. These extreme properties make ROHACELL® XT the ideal foam for use with BMI resins, among other materials.

ROHACELL® XT is suitable for autoclave technologies and vacuum infusion processes, not to mention RTM and VARTM processes.

The thermo-formability of ROHACELL® provides a tremendous manufacturing advantage.

ROHACELL® XT is also easy to shape by machining.

For further information, please contact our experts by phone +49 6151 18 1005 or e-mail rohacell@evonik.com.

Properties of ROHACELL® XT

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

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

® = registered trademark

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