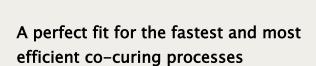


THE CHOICE OF CHAMPIONS ON ROADS, ICE, SNOW AND IN THE WATER

Produce the lightest equipment

An ultra-low-density foam core that controls resin absorption and results in final parts that are lighter than ever.



Able to withstand the most extreme pressures and temperatures used in state-of-the-art fast curing processes.



Homogeneous and isotropic core material that is not only ideal for producing parts with thin edges and delicate details but is compatible with all common face sheet resins and adhesives.

Improve part performance

Great mechanical properties in a foam core means your equipment will have excellent in-use durability and a long, reliable part life.











ROHACELL®

Property	Test Method*	Unit	ROHACELL® 31 IG-F	ROHACELL® 51 IG-F	ROHACELL® 71 IG-F	ROHACELL® 110 IG-F	ROHACELL® 71 SL	ROHACELL® 110 SL
Density**	ISO 845	kg/m³	32 ± 7	52 ± 12	75 ± 15	110 ± 21	75 ± 15	110 ± 21
	ASTM D 1622	lbs/ft³	2.00 ± 0.44	3.25 ± 0.75	4.68 ± 0.94	6.87 ± 1.31	4.68 ± 0.94	6.87 ± 1.31
Compressive	ISO 844	MPa	0.4	0.9	1.5	3.0	1.5	3.0
Strength	ASTM D 1621	psi	58	130	217	435	218	435
Compressive	ISO 844	MPa	17	43	73	120	76	123
Modulus	ASTM D 1621	psi	2,470	6,240	10,600	17,400	11,000	17,800
Tensile	ISO 527-2	MPa	1.0	1.9	2.8	3.5	3.7	6.0
Strength	ASTM D 638	psi	145	275	406	507	537	870
Tensile	ISO 527-2	MPa	36	70	92	160	120	202
Modulus	ASTM D 638	psi	5,220	10,150	13,340	23,200	17,400	29,300
Elongation at Break	ISO 527-2 ASTM D 638	%	N/A	N/A	N/A	N/A	4.0	4.7
Shear	DIN 53294	MPa	0.4	0.8	1.3	2.4	1.4	2.3
Strength	ASTM C 273	psi	58	116	188	348	203	334
Shear	DIN 53294	MPa	13	19	29	50	33	58
Modulus	ASTM C 273	psi	1,885	2,755	4,205	7,250	4,790	8,410
Maximum Shear Strain	DIN 53294 ASTM C 273	%	N/A	N/A	N/A	N/A	7.8	7.8
Coefficient of Thermal Expansion	-	1/K*10E-5	5.03	4.71	3.81	3.04	3.85	N/A

Technical data values presented above are typical for nominal density, subject to normal manufacturing variations. *Data values are based on ISO & DIN standard test methods, however ASTM value can be confirmed upon request. All ROHACELL® products are closed-cell rigid foams based on polymethacrylimide (PMI) chemistry and contain no CFC's. ** Density values are valid for full-size sheets with a minimum thickness of 10 mm (0.39 inch) only. Other density ranges are available upon request.

INTERESTED IN ROHACELL® FOR SPORTS EQUIPMENT?

If you have questions or would like to discuss using a ROHACELL® core in your application, talk with your local ROHACELL® representative or contact:

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