

Properties of ROHACELL® IG

Properties	Unit	ROHACELL® 31 IG	ROHACELL® 51 IG	ROHACELL® 71 IG	ROHACELL® 110 IG	Standard
Density	kg/m³	32	52	75	110	DIN 53 420/ISO 845 ASTM D 1622
	lbs./cu. ft.	2.0	3.25	4.68	6.87	
Compressive strength	MPa	0.4	0.9	1.5	3.0	DIN 53 421/ISO 844 ASTM D 1621
	psi	58	130	217	435	
Tensile strength	MPa	1.0	1.9	2.8	3.5	DIN 53 455/ISO 527-2 ASTM D 638
	psi	145	275	406	507	
Flexural strength	MPa	0.8	1.6	2.5	4.5	DIN 53 423/ISO 1209 ASTM D 790
	psi	116	232	362	652	
Shear strength	MPa	0.4	0.8	1.3	2.4	DIN 53 294 ASTM C 273
	psi	58	116	188	348	
Elastic modulus	MPa	36	70	92	160	ISO 527-2 ASTM D 638
	psi	5,220	10,150	13,340	23,200	
Shear modulus	MPa	13	19	29	50	DIN 53 294 ASTM C 273
	psi	1,885	2,755	4,205	7,250	
Elongation at break	%	3.5	4.0	4.5	4.5	DIN 53 455/ISO 527-2 ASTM D 638
Heat distortion resistance	°C	180	180	180	180	DIN 53 424
	°F	356	356	356	356	

Sales Range

Type	Unit	Size	Sheet Thickness
ROHACELL® 31 IG	mm	2500 x 1250	4 to 85
	inch	98.4 x 49.2	0.16 to 3.35
ROHACELL® 51 IG	mm	2500 x 1250	4 to 75
	inch	98.4 x 49.2	0.16 to 2.96
ROHACELL® 71 IG	mm	2500 x 1250	4 to 60
	inch	98.4 x 49.2	0.16 to 2.36
ROHACELL® 110 IG	mm	2160 x 1100	4 to 50
	inch	85 x 43.3	0.16 to 1.97

Thickness tolerance +/- 0.5 mm (0.02 inch), other sales ranges on request.

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