



PROPERTIES OF ROHACELL S

PROPERTY	METHOD	UNIT	ROHACELL® 51 S	ROHACELL® 71 S	ROHACELL® 110 S
DENSITY	ISO 845 ASTM D 1622	kg/m ³ lbs/ft ³	52 3.25	75 4.68	110 6.87
COMPRESSIVE STRENGTH	ISO 844 ASTM D 1621	MPa psi	0.7 101	1.5 217	2.8 406
TENSILE STRENGTH	ISO 527-2 ASTM D 638	MPa psi	1.1 159	1.9 275	3.2 464
SHEAR STRENGTH	DIN 53294 ASTM C 273	MPa psi	0.6 87	1.2 174	2.2 319
ELASTIC MODULUS	ISO 527-2 ASTM D 638	MPa psi	50 7,250	90 13,050	150 21,750
SHEAR MODULUS	DIN 53294 ASTM C 273	MPa psi	20 2,900	34 4,930	55 7,975
STRAIN AT BREAK	ISO 527-2 ASTM D 638	%	3.5	3.5	4.5

FIRE BEHAVIOUR OF ROHACELL S

PROPERTY	METHOD	ROHACELL® 51 S	ROHACELL® 71 S	ROHACELL® 110 S
FIRE BEHAVIOUR	ASTM D 1692-59	Self-extinguishing		
	AFNOR NF 16-101	M1/F2	M2/F3	
	ASTM D 2863 (LOI)	23.8%	23.2%	
	UL 94	V-2		