



CERTIFICATIONS



ADVANTAGES

- HIGHLY RESISTANT
- LIGHT-WEIGHT
- LOW RESIN UPTAKE
- RECYCLED

LYcell^{eco}

RECYCLED HIGH RESISTANCE FOAM CORE

LYcell ECO is a closed cell cross-linked PVC foam with a high strength-to-weight ratio, rendering it ideal for all composite material and simpler technical solutions. LYcell is a recycled high-performance core material.

FIELDS OF APPLICATION

Suitable for light, resistant and thermally insulating composite structures like building, carrying trade, wind turbine nacelles, furniture.





TECHNICAL DATA SHEET
TYPICAL VALUES

eco
LYcell

RECYCLED HIGH RESISTANCE FOAM CORE

FOAM			L060	L080	L100	L130
Density	ISO 845 (min)	kg/m ³	60 (50)	80 (68)	100 (86)	130 (116)
Compressive strength	ISO 844:2014 B	MPa	0,77	1,30	1,93	2,77
Compressive modulus	ISO 844:2014 B	MPa	55	90	100	174
Shear strength	ISO 1922	MPa	0,65	1,13	1,44	2,17
Shear modulus	ISO 1922	MPa	19	30	41	56
Shear elongation at break	ISO 1922	%	18	28	14	26
Standard block dimensions		mm	1100 2400	970 2160	900 2000	800 1860