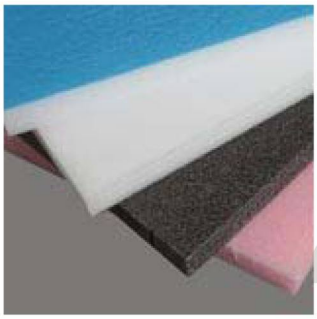
novostrat
INSULATION & PACKAGING FOAMS

TECHNICAL DATA SHEET

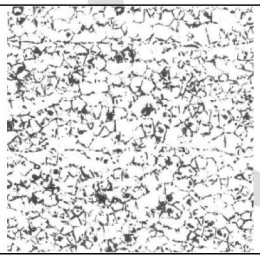
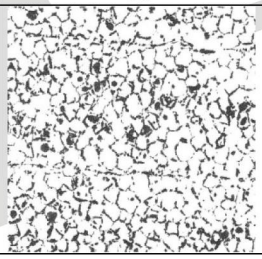
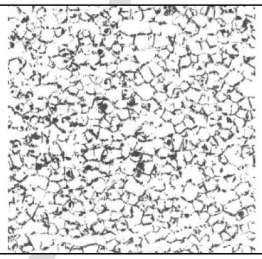


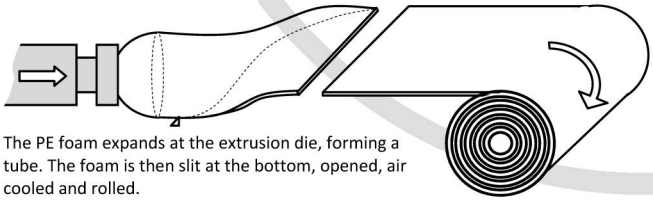
Polyethylene Foam Plank

STRATLITE® 22 and 22 MDL(1)

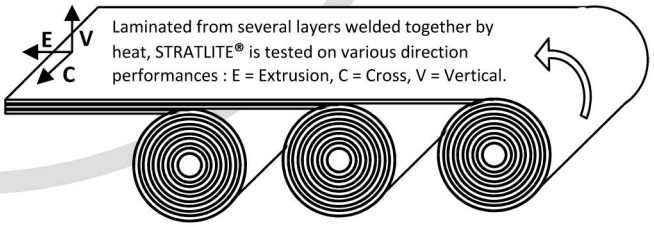
Closed cell, non cross linked laminated polyethylene foam, ideal for packaging applications requiring interior cushioning protection. STRATLITE® plank is CFC and HCFC free. It is also 100% recyclable

Novostrat PE foam is efficient in the 3 directions

Compression strength (kPa)	Extrusion direction	Cross direction	Vertical direction
compression 25%	29	23	34
compression 50%	93	83	94
compression 70%	230	216	238
number of cells/cm^2	≈ 31	≈ 30	≈ 30
Cells Visual Size & Shape			



The PE foam expands at the extrusion die, forming a tube. The foam is then slit at the bottom, opened, air cooled and rolled.



Laminated from several layers welded together by heat, STRATLITE® is tested on various direction performances : E = Extrusion, C = Cross, V = Vertical.

PROPERTIE	TEST METHOD	UNIT	TOLERANCE	VALUE
Density	DIN 53420	kg/m^3	± 10%	22
Plank thickness	ISO 1923	mm	- 0 / + 10 %	10 to 100
Plank width	ISO 1923	mm	- 0 / + 30 mm	1200
Plank length	ISO 1923	mm	- 0 / + 50 mm	2000 to 2500
Compression Strenght	DIN EN ISO 3386-1 September 2010	kPa	± 10%	See chart above
Cells Size	BS 4443/1 Met 4	Cells 25 mm	± 2	≈ 14
Water Absorption	DIN 53428	Vol%	± 10%	< 2
Linear thermal stability	DIN 53428	%	± 10%	< 2

(1) MDL = + 3 mm medium density foam for hinges

Our standard densities : 16, 22, 28, 35 kg/m^3 (See other technical data sheets)

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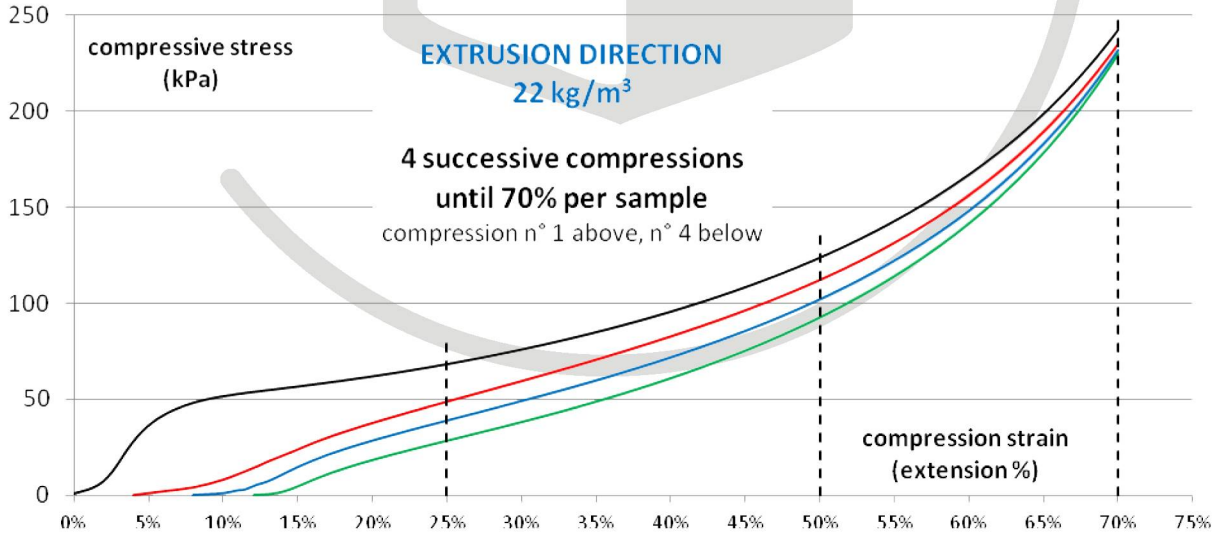
STRATLITE ®22 kg/m^3 TECH. DATA SHEET page 2/3

The performances of STRATLITE® PE foam planks are tested for compression on three space directions.

The measurements are carried out in accordance with the standard :
DIN EN ISO 3386-1 September 2010.

The official results are the average from 3 samples tested for each direction.
All data are recorded and measured to confirm the product performance and tolerance.

strain measuring device
INSTRON controlled by computer
and the soft Bluehill 3



Compression number	Compressive stress [kPa] at Compression Strain 25 %	Compressive stress [kPa] at Compression Strain 50 %	Compressive stress [kPa] at Compression Strain 70 %
1	68	124	242
2	49	112	235
3	39	102	232
4	29	93	230

In accordance with the DIN EN ISO 3386-1, the accepted results are those of the 4th compression.

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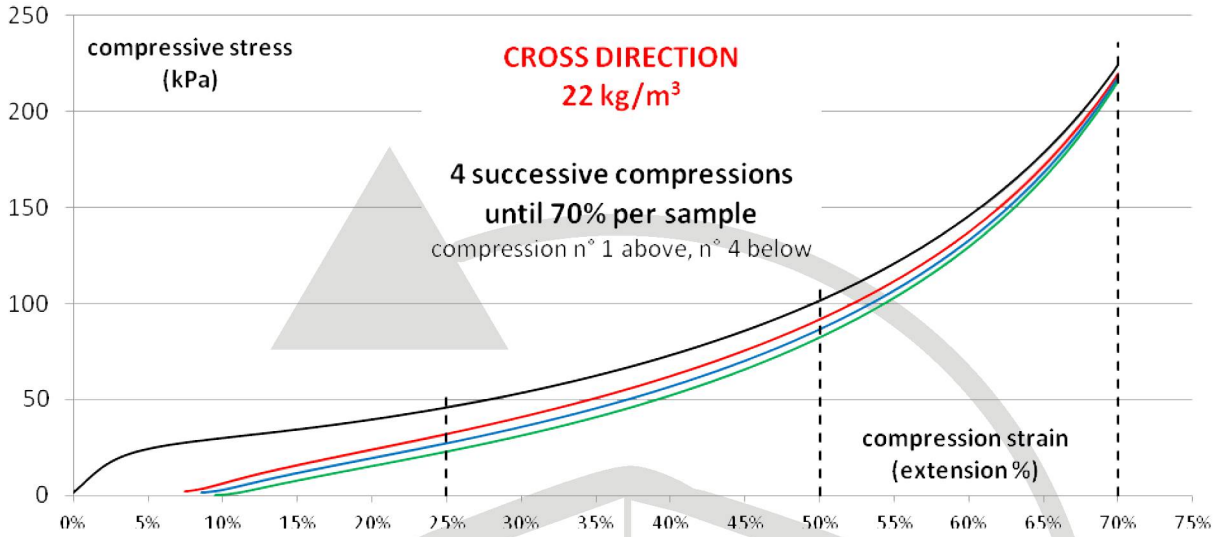
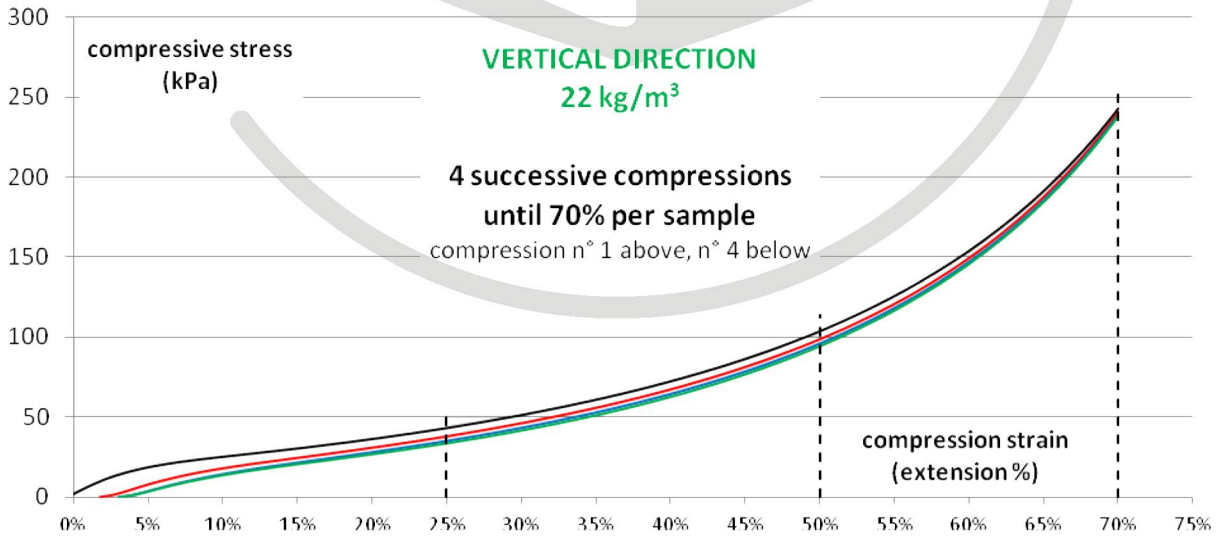
STRATLITE ®22 kg/m^3 TECH. DATA SHEET page 3/3



Compression number	Compressive stress [kPa] at Compression Strain 25 %	Compressive stress [kPa] at Compression Strain 50 %	Compressive stress [kPa] at Compression Strain 70 %
1	46	101	224
2	32	92	119
3	27	86	217
4	23	83	216

In accordance with the DIN EN ISO 3386-1, the accepted results are those of the 4th compression.



Compression number	Compressive stress [kPa] at Compression Strain 25 %	Compressive stress [kPa] at Compression Strain 50 %	Compressive stress [kPa] at Compression Strain 70 %
1	43	104	243
2	38	99	240
3	35	96	239
4	34	94	238

In accordance with the DIN EN ISO 3386-1, the accepted results are those of the 4th compression.