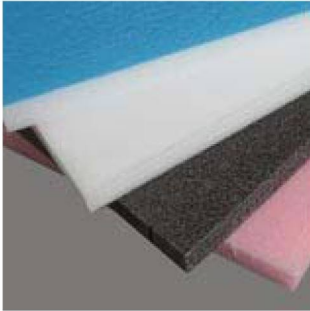




TECHNICAL DATA SHEET

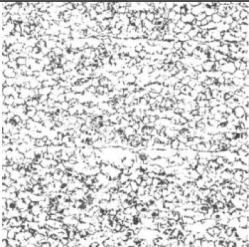
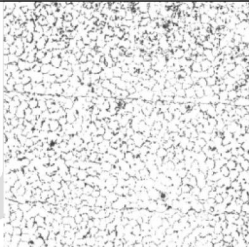
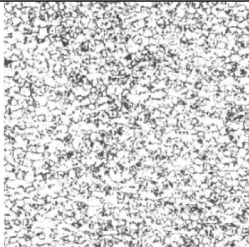


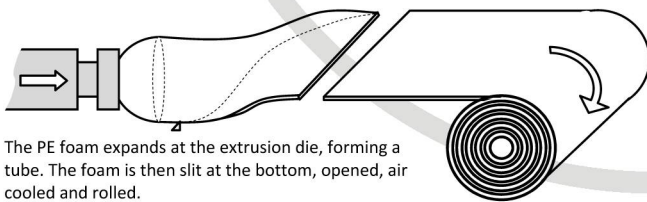
Polyethylene Foam Plank

STRATLITE® 28 and 28 MDL⁽¹⁾

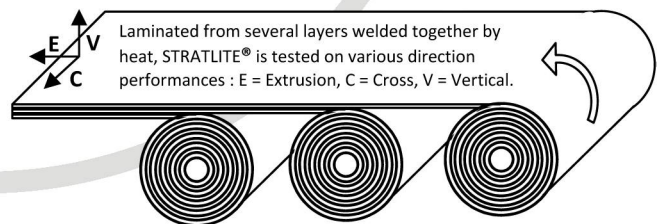
Closed cell, non cross linked laminated polyethylene foam, ideal for packaging applications requiring interior cushioning protection. STRATLITE® plank is CFC and HCFC free. It is also 100% recyclable

Novostrat PE foam is efficient in the 3 directions

Compression strength (kPa)	Extrusion direction	Cross direction	Vertical direction
compression 25%	29	25	38
compression 50%	96	89	106
compression 70%	237	229	257
number of cells/cm ²	≈ 37	≈ 37	≈ 38
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%	28
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	≈ 16
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/m³ (See other technical data sheets)



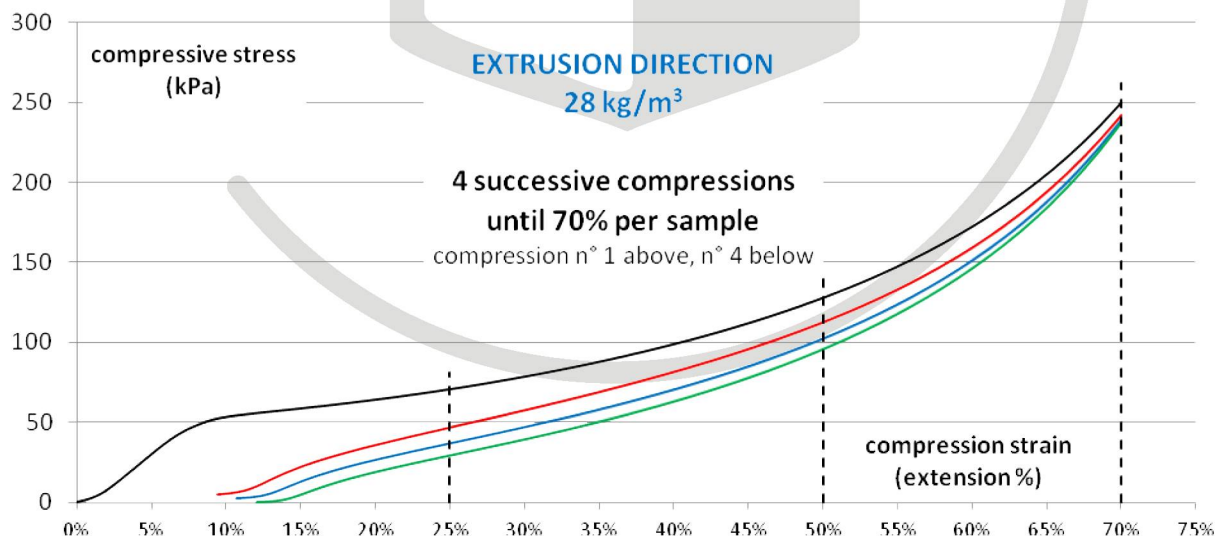
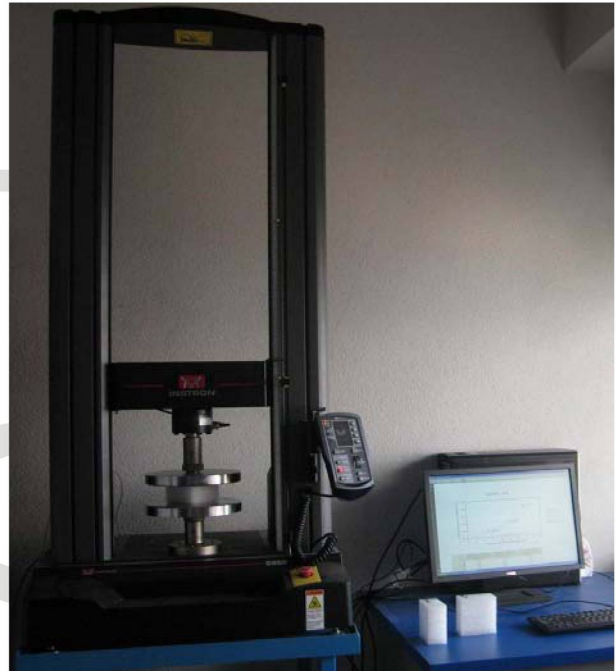
STRATLITE® 28 kg/m³ TECH. DATA SHEET page 2/3

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

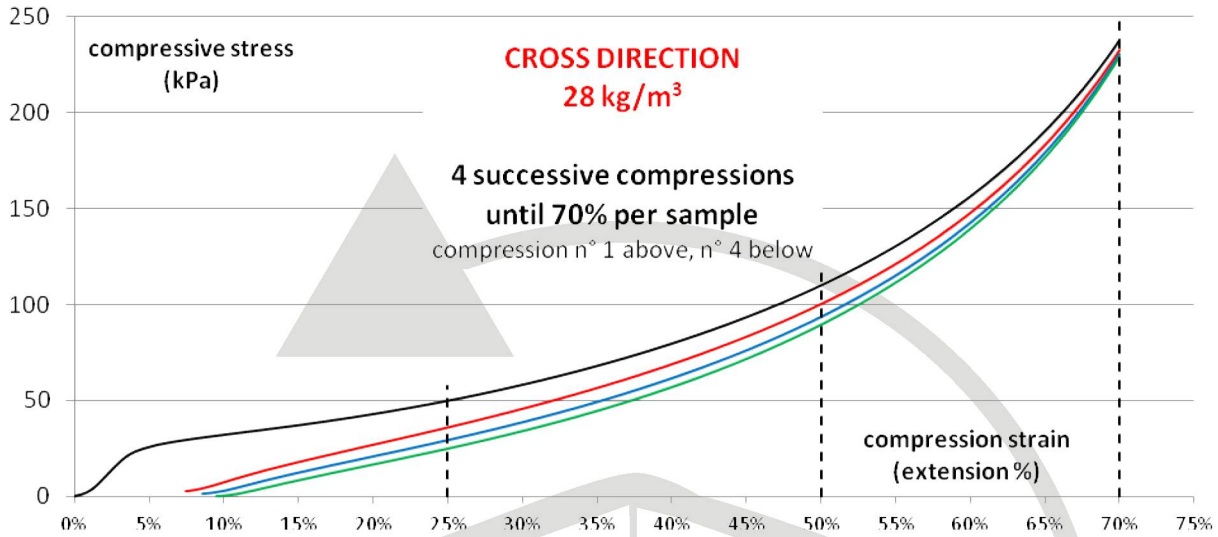


Compression number	Compressive stress [kPa] at Compression Strain 25 %	Compressive stress [kPa] at Compression Strain 50 %	Compressive stress [kPa] at Compression Strain 70 %
1	71	128	250
2	47	112	242
3	37	102	239
4	29	96	237

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

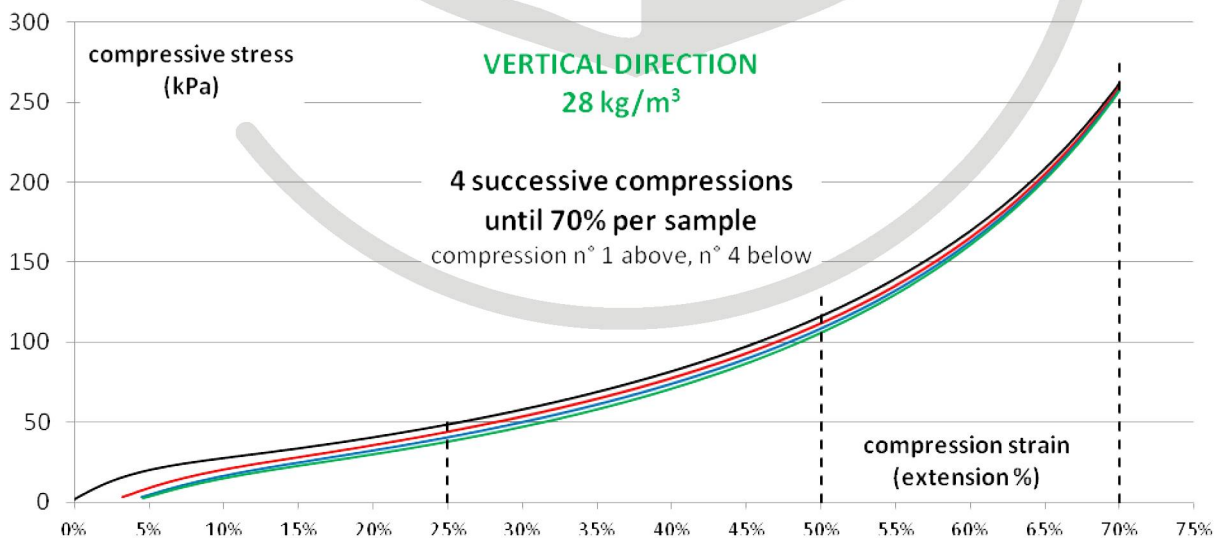


STRATLITE® 28 kg/m³ TECH. DATA SHEET page 3/3



Compression number	Compressive stress [kPa] at Compression Strain 25 %	Compressive stress [kPa] at Compression Strain 50 %	Compressive stress [kPa] at Compression Strain 70 %
1	50	110	238
2	36	100	233
3	29	94	231
4	25	89	229

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	49	117	262
2	44	112	259
3	40	108	258
4	38	106	257

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