

## Technical Datasheet – PE36 (Black/White)

- Closed Cell
- Non cross-linked laminated polyethylene foam
- Ideal for packaging applications requiring interior cushioning protection
- The foam is CFC and HCFC free
- 100% recyclable

Properties	Test Method	Unit	Tolerance	Value
Density	ASTM D3575, Suffix W, Method B; ISO 845	Kg/m <sup>3</sup>	±10%	2.26 (36)
Plank thickness	ISO 1923	mm	- 0 / + 10%	50
Plank width	ISO 1923	mm	- 0 / + 30mm	600
Plank length	ISO 1923	mm	- 0 / + 50mm	2750
Compression strength	ASTM D3575, Suffix D	kPa		
10%				50
25%				65
50%				124
Compressive creep (1000hrs @ 23° C)	ASTM D3575, Suffix BB	kPa	< 10%	17.5
Compression set	ASTM D3575, Suffix B (50% compr.) EN/ISO 1856 (23° 25% compr.)			< 20%
				< 10%
Thermal stability	ASTM D3575, Suffix S; ISO2796			< 1.5% < 2%
Thermal conductivity	ASTM D3575, Suffix V; EN28301; ISO 2581	W/m.K		
24° C				0.42 (0.06)
-5° C				0.37 (0.05)
Water absorption	ASTM D3575, Suffix L; ISO 2896; ASTM C272	kg/m <sup>2</sup> Vol%		0,3 (1.5) < 3%
Buoyance	ASTM D3575, Suffix AA	kg/m <sup>3</sup>		57 (912)
Tensile strength peak	ASTM D3575, Suffix T; ISO 1798	kPa		32 (220)
Tensile elongation	ASTM D3575, Suffix T; ISO 1798			51%
Tear strength	ASTM D3575, Suffix G; ISO 1798	N/mm		10 (1.75)