

Premium PE Foam

Product Description

Our Premium PE foam is a closed cell polyethylene structure, and has excellent impact resistance for protective packaging. The foam has low water absorption, excellent chemical resistance, and great UV properties. It is similar to our XLPE variant, but features a smoother finish and is slightly more susceptible to marking.

▶ Technical information

Property Type	Property	Unit	Notes
Colour	Dark Grey	-	
Density	30	kg/m ³	other densities available upon request
Tensile strength	325	kPa	
Tear strength	2.5	kN/m	
Elongation	180	%	
Hardness	40 - 50	Shore 00	
Compression deflection (10%)	54	kPa	
Compression deflection (25%)	50	kPa	
Compression deflection (50%)	120	kPa	
Compression deflection (75%)	-	kPa	
Thermal conductivity	0.035	W/mK	
Water absorption	0.002	g/cm ³	
Flammability	PASS	FMVSS302	
Fire restardancy	untested	FMVSS302	
Operating temperature	-30 to 80	degrees Celcius	
UV resistance	excellent	-	
Chemical resistance	excellent	-	
Surface resistivity	-	Ohms	
EU compliance	-	-	
Shelf life	infinite*	-	see storage requirements below

Sizing

Stock sheet size is 2400x1200mm, available in all thicknesses

Storage requirements

Store in a clean, dry place. Ensure foam is within working temperature window, and 40 - 50% relative humidity.



▶ Contact us

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