

Premium XPE Foam

Product Description

Our Premium XPE foam is specially designed with a closed cell cross-linked polyethylene structure, and has very high impact protection, and resistance to marking and scuffing. The foam has low water absorption, excellent chemical resistance, and great UV properties. The foam is free of heavy metals, plasticizers and CFC's, and compliant to both FMVSS302, and ROHS/Reach requirements.

▶ Technical information

Property Type	Property	Unit	Notes
Colour	Black	-	
Density	30	kg/m ³	other densities available upon request
Tensile strength	310	kPa	
Tear strength	untested	kN/m	
Elongation	150	%	
Hardness	50 - 60	Shore 00	
Compression deflection (10%)	20	kPa	
Compression deflection (25%)	45	kPa	
Compression deflection (50%)	112	kPa	
Compression deflection (75%)	-	kPa	
Thermal conductivity	0.036	W/mK	
Water absorption	0.002	g/cm ³	
Flammability	PASS	FMVSS302	
Fire restardancy	PASS	FMVSS302	
Operating temperature	-40 to 100	degrees Celcius	
UV resistance	excellent	-	
Chemical resistance	excellent	-	
Surface resistivity	-	Ohms	
EU compliance	RoHS/REACH	-	
Shelf life	infinite*	-	see storage requirements below

Sizing

Stock sheet size is 2300x1200mm, 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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