



PE (POLYETHYLENE) SPONGE SHEET

Impact Resistant | UV Resistant | Closed Cell | Polyethylene Sponge

FEATURES

Industrial Gaskets PE Sponge is a black, superior grade, closed cell Sponge Sheet. It has good mechanical strength and excellent shock absorption and vibration dampening.

PE Sponge Sheet is extremely tough yet economical and is suitable for applications which require sealing under heavy load and impact. It is UV stable, resistant to ozone effects and weathering and is suitable for limited cycles of compression.

PE Sponge can be supplied in a range of densities to suit the amount of load being applied and amount of compression required.

TECHNICAL INFORMATION

Polymer	PE	
Colour	Black	
Density	28 ±5 kg/m ³	
Hardness	15-22° ± 5° Shore 00	
Tensile Strength	165 kPa	
Elongation Ratio	200%	
Tear Strength	1.0 kg/cm	
Compression Strength (25%)	0.2 kg/cm ²	
Compression Set	8% (max)	
Compression Deflection	5 kPa	
Thermal Conductivity	0.030 W/m/°C	
Water Absorption	0.01 g/cm ³	
Linear Shrinkage	±5%	
Temperature Range	-30° to +80°C (max)	
Flammability CNS1048A2165 (mm/second)	60/120 30mm p/min	UL94 HF-2 (UL94-1997)
Total Volatile Organic Compound Specific Area Emission Rate	0.06 mg/m ² /hr	

PE Sponge can also be supplied in harder densities upon request.

AVAILABLE SIZES

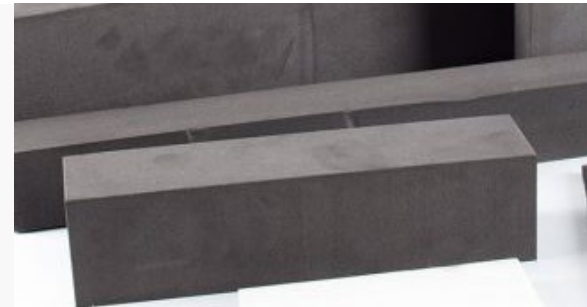
STANDARD LENGTH

Any thickness 3mm - 100mm

STANDARD SHEET SIZE

1220mm x 2440mm (3mm-80mm)
1000mm x 2000mm (81mm-100mm)

Cut lengths, strips and custom shapes are available upon request
Sheets can be supplied with adhesive backing upon request.



APPLICATIONS

PE Sponge has been designed primarily for use as a compressible strip, pad or gasket. It is mainly used for sealing between surfaces in the construction industry but can be used anywhere a compressible seal is required under heavy load and impact. Its properties make it suitable for use in a wide range of applications including:

- > Construction gaskets and seals
- > Insulation barriers
- > Expansion joints
- > Filler blocks
- > Packing
- > Sealing strips for concrete pouring
- > Variety of sealing applications
- > Stabilising/cushioning machinery