



Technical Data Sheet

TSE 45

Basis: Expanded EPDM / EVA Closed Cell Sponge

General Properties and Applications:

TSE 45 is a closed cell sponge made in a 2 stage blowing process. The closed cell construction makes ideal for packaging, gaskets, strips, expansion joints and where bolt load is insufficient to use solid materials such as rubber. It should not be compressed more than 20% of original thickness. Over compression will increase the compression set and in extreme cases damage the cell structure.

Sheet Properties:

Standard Colour	Black, Deep Grey
Sheet Size:	1000mm x 2000mm
Thickness:	3mm - 80mm
Tolerances:	±1mm or 10% which ever is greater

Can be made fire retardant on application,

Typical Values

Density (ISO845)	45 ± 5 kg/m ³
Tensile Strength (ISO1798)	457 kpa%
Compression Strength (50%)	50%
Elongation at Break (ISO1798)	166%
Cinoresson Deflection (25%)	19%
Vacuum-Water Absorbtion	0.02% (volume)
Corrosion	No apparent visual change
Shore Hardness (00)	40° ± 5°
Recommended Maximum Temperature	80°C

The information represents typical values which can vary according to the application. These values do not constitute a performance guarantee. Users should determine, prior to use , the suitability of this material for their particular application