

## Data Sheet

## P586 Expanded EPDM Sponge

Data Sheet Type	Final
Material Reference	P586
Polymer	EPDM
Date Issued	29/08/25



## Description

P586 is a high quality EPDM Sponge with excellent Flame Retardant(conforming to UL94-HF1) & Weathering Properties. Typically used in applications such as Enclosures, Glazing Strips, and Expansion Joints in high technology industries including Automotive, Electronics and Construction.

The material meets ASTM D1056-14 Classification - 2A1 B3 C M and is CFC and HCFC Free.

Specifications	Values	Test Methods
Compression Deflection	30 -40 @ 25% Kpa	ASTM D1056
Compression Set 25% Compression (22 Hours @ 23°C) 24 Hour Recovery	15 -25 %	ASTM D1056
Compression Set 50% Compression (22 Hours @ 23°C) 24 Hour Recovery	35 - 45 %	ASTM D1056
Density	75 - 105 Kg/m3	ASTM D3575
Elongation at Break	180 - 240 %	ASTM D412
Flame Resistance	Pass	UL94
FMVSS302 Pass Thickenss	3mm	FMVSS302
Highest Recommended Working Temperature	60 °C	None
Intermittent Working Temperature	80 °C	None
Lowest Recommended Working Temperature	-30 °C	None
Shore Hardness (Shore OO)	30 - 40 ° Shore	None
Shrinkage	7 - 11 %	ASTM D573
Tensile Strength	350 - 450 Kpa	ASTM D412
Water Absorption	1 - 2 %	ASTM D1056

## Purposes



Flame Retardent



Self Extinguishing

#### **Important Notes about this Material Data Sheet**

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.