



# AS Rubber & Plastics Limited

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## TECHNICAL DATA SHEET

### AS409 FR Expanded EPDM Sponge Rubber

<u>PROPERTIES</u>	<u>AVERAGE VALUE</u>
ASTM D1056-14 Classification	2A1 B3 M
Density (ASTM D3575)	75-105 Kg/m <sup>3</sup>
Compression Deflection (25% - ASTM D1056)	30-40 kPa
Compression Deflection (50% - ASTM D1056)	65-75 kPa
Compression Set (25%/22h/23°C) – After 24 Hrs (ASTM D 1056)	15-25%
Compression Set (50%/22h/23°C) – After 24 Hrs (ASTM D 1056)	35-45%
Shrinkage (22h/70°C) ASTM D573	7-11%
Shore Hardness “00” Scale	30-40
Elongation (ASTM D412)	> 180-240%
Temperature Range (Constant)	- 30°C / + 60°C
Temperature Range (Intermittent)	+ 80°C / + 100°C
Water Absorption Max weight change (ASTM D 1056)	1-2%

**Tensile Strength (ASTM D 412)**

350-450 kPa

**Flame Resistance (>3mm)**

FMVSS302 Pass

**Flame Resistance (>3mm)**

UL94 HF-1 Pass

**Environmental Protection**

CFC, Halogen & HCFC Free