

**Item Code:** SM149

**Item Description:** Black High Temperature Viton® Rubber 70° shore

**SM 149 Black High Temperature Viton® Rubber 70° shore** is a Genuine Viton® (FKM) sheeting that has outstanding high resistance for high exposure applications with chemicals, acids, oils and petroleum products at high temperatures not achievable with other compounds.

- Material Profile: See below
- Thickness: 0.5mm to 10mm
- Sheet Size: 1.2m wide in 5m and 10m rolls
- Finish: Smooth finish,
- Cutting: Standard press-tools

**Full specification sheet available on request This Product is REACH, RoHS, PAH and CE Compliant**  
Other grades, colours and finishes are available - subject to minimum batch quantities

#### Technical Information

Material	Viton®
Application	Chemical Resistant, Flame Resistant, High Temperature, Oil / Fuel Resistant, Weather / Ozone
Shore Hardness +/- 5°	70
Thickness	0.25mm, 1mm, 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm
Temp Range	-20°C, -10°C, +70°C, +80°C, +90°C, +100°C, +110°C, +120°C, +140°C, +150°C, +180°C, +200°C, +300°C
Colour	Black
Insertion Req	No
Cloth/Plate	Plate / Plate
Resistant To	Please Call

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The stock roll size chart represents our standard stock range and items stated are not subject to any minimum batch quantities. Other size requirements for thickness, width, length or finish can be made to special order but would be subject to minimum production batch runs.

**This normally would be:-**

- 1mm – 6mm thick – 100 linear metres,
- 8mm – 25mm thick – 50 linear metres,
- Over 25mm thick – 10 sheets.

Further details given upon request.

**Surface Finish Codes:-**

- SS – Smooth finish both sides
- CC – Cloth Impression both sides
- CS – Cloth impression one side, smooth the other



Stock Sheet Sizes	Surface	Weight	Specifications	Values
[m x m x mm]	[finish]	[kg/M2]	[compound]	[typical]
0.5mm x 1200mm x 10m	SS	1.00	Colour	Black
1mm x 1200mm x 0m	SS	1.95	Compound	FKM
1.5mm x 1200mm x 10m	SS	2.93	Density [specific gravity]	1.95
2mm x 1200mm x 10m	SS	3.90	Hardness [Degrees Shore A]	70° ± 5°
2.5mm x 1200mm x 10m	SS	4.88	Tensile Strength [Mpa]	4.90
3mm x 1200mm x 10m	SS	5.85	Elongation at break	200
4mm x 1200mm x 10m	SS	7.80	Minimum Temperature	-20°C
5mm x 1200mm x 10m	SS	9.75	Maximum temperature	+300°C
6mm x 1200mm x 10m	SS	11.70	Compression Set (70°C for 22 hours)	62 %
8mm x 1200mm x 5m	SS	15.60		
10mm x 1200mm x 5m	SS	19.50		

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