

Viton® Rubber Sheeting - Type A

Technical Data Sheet

Properties	Test Method	Values (FPS Units)	Test Method	Values (Metric Units)
Specific Gravity	DIN 53508	2.00 ± 0.05	ASTM D297	2.00 ± 0.05
Hardness	DIN 53505	75 ± 5 Sh A	ASTM D2240	75 ± 5 Sh A
Tensile Strength (Kg/cm ²)	DIN 53504	855 PSI	ASTM D412	50 Kg/cm ²
Elongation at Break (min)	DIN 53504	200%	ASTM D412	200%
Compression Set (150°C, 24 hrs, 25% set) (max)	DIN 53517	55%	ASTM D395 Method B	55%
Change in Properties				
Heat Ageing (72 hrs at 150°C): - Hardness (pts) - Tensile Strength (%) - Elongation at Break (%)		+5 (max) +15 +25 / -25	ASTM D573	+5 (max) +15 +25 / +25
Volume Swell at 150°C for 24 hrs/in: - IRM Oil No.901 - IRM Oil No.902 - IRM Oil No.903		-8% -1% +6%	ASTM D471	-8% -1% +6%
Chemical Resistance: - Ozone - Dilute Acids & Bases - Concentrated Acids & Bases - Oils - Solvents		Excellent Excellent Excellent Very Good Very Good	ASTM D 1149	Excellent Excellent Excellent Very Good Very Good
Temperature Range		-20°C to +275°C		-20°C to +275°C
Colour	Black			

Viton® Rubber Sheeting - Type B

Technical Data Sheet

Properties	Test Method	Values (FPS Units)	Test Method	Values (Metric Units)
Specific Gravity	DIN 53508	1.95 ± 0.05	ASTM D297	1.95 ± 0.05
Hardness	DIN 53505	70 ± 5 Sh A	ASTM D2240	70 ± 5 Sh A
Tensile Strength (Kg/cm ²)	DIN 53504	711 PSI	ASTM D412	50 Kg/cm ²
Elongation at Break (min)	DIN 53504	250%	ASTM D412	250%
Compression Set (150°C, 24 hrs, 25% set) (max)	DIN 53517	40%	ASTM D395 Method B	40%
Change in Properties				
Heat Ageing (72 hrs at 150°C): - Hardness (pts) - Tensile Strength (%) - Elongation at Break (%)		+5 (max) +10 / -10 +15 / -15	ASTM D573	+5 (max) +10 / -10 +15 / +15
Volume Swell at 150°C for 24 hrs/in: - IRM Oil No.901 - IRM Oil No.902 - IRM Oil No.903		-6% -1% +3%	ASTM D471	-6% -1% +3%
Chemical Resistance: - Ozone - Dilute Acids & Bases - Concentrated Acids & Bases - Oils - Solvents		Excellent Excellent Excellent Very Good Very Good	ASTM D 1149	Excellent Excellent Excellent Very Good Very Good
Temperature Range		-30°C to +300°C		-30°C to +300°C
Colour	Black			