

Nitrile Rubber Sheet

Technical Data Sheet



Properties	Test Method	Value (FPS Units)	Test Method	Value (Metric Units)
Specific Gravity	DIN 53508	1.50 ± 0.05	ASTM D297	1.50 ± 0.05
Hardness	DIN 53505	70 ± 5 Sh A	ASTM D2240	70 ± 5 Sh A
Tensile Strength (min)	DIN 53504	497 PSI	ASTM D412	35 kg/cm ²
Elongation at Break (min)	DIN 53504	200%	ASTM D412	200%
Compression Set (70°C/24hrs/25% set) (max)	DIN 53517	50%	ASTM D395 Method B	50%
Tear Resistance (Angular) (min)	DIN 53515	84 lbs/inch	ASTM D624	15 kg/cm
Temperature Range	-	-20°C to +75°C	-	-20°C to +75°C
Colour	-	Black	-	Black

Change in Properties

Heat Ageing (72hrs at 70°C):

- Hardness (pts)	-	+ 5 (max)	ASTM D573	+ 5 (max)
- Tensile Strength (%)	-	+ 10 / -25	ASTM D573	+ 10 / -25
- Elongation at Break (%)	-	+ 10 / -25	ASTM D573	+ 10 / -25

Chemical Resistance

Ozone	-	Fair	ASTM D 1149	Fair
Dilute Acids & Bases	-	Fair	-	Fair