



TECHNICAL DATA SHEET
Nitrile Rubber Sheeting
(White Food Quality)

Properties	Test Method	Value FPS	Test Method	Value (Metric)
Colour	-	Off White		Off White
Specific Gravity	DIN 53508	1.4 ± 0.05	ASTM D297	1.4 ± 0.05
Hardness	DIN 53505	60 ± 5 Shore A	ASTM D2240	60 ± 5 Shore A
Tensile Strength (min)	DIN 53504	853PSI	ASTM D412	60kg/cm ²
Elongation at Break (min)	DIN 53504	350%	ASTM D412	350%
Compression Set (70°C/24 hrs/25% set) (max)	DIN ISO 815-1	40	ASTM D395 B	40%
Tear Resistance (Angular)	DIN 53515	112 lbs/inch	ASTM D624	20kg/cm
Change in Properties	-	-	-	-
Heat Ageing (72 hrs at 70°C)	-	-	ASTM D573	-
Hardness Pts	-	+ 4 Max	-	+ 4 Max
Tensile Strength (%)	-	+ 10 / - 15	-	+ 10 / - 15
Elongation at Break (%)	-	+ 10 / - 20	-	+ 10 / - 20
Volume Swell at 70°C for 72 hrs/in	-	ASTM D471	-	-
- IRM Oil No.1	-	6%	-	6%
- IRM Oil No.2	-	16%	-	16%
- IRM Oil No.3	-	20%	-	20%
Polymer Content (Nitrile)	-	100%	-	100%

Chemical Resistance

Properties	Test Method	Value FPS	Test Method	Value (Metric)
Ozone	-	Fair	ASTM D1149	Fair
Diluted Acid & Bases	-	Good	-	Good
Concentrated Acid & Bases	-	Not Recommended		Not Recommended
Oils	-	Good	-	Good
Solvents	-	Fair	-	Fair
Temperature Range	-	- 20 to +120 °C		- 20 to +120°C

All recommendations and information contained on this data sheet are, to the best of our knowledge, correct. Product specifications are intended as guidelines. Since conditions of service are beyond our control, users must satisfy themselves that products are suitable for the intended use. No guarantee or warranty is given or implied in respect of information or recommendations, or that any use of products will not infringe rights belonging to other parties. We reserve the right to change product design and properties without notification.