



Smith's Quay, Hazel Road
 Woolston, Southampton
 SO19 7GB, Great Britain
 Telephone: (+44) 02380 434646
 Email: info@bridgerubber.co.uk
 Website: www.bridgerubber.com



Nitrile Rubber 50 ShA Data Sheet

PROPERTIES	METRIC VALUE
Specific Gravity	1.45 ± 0.05
Hardness	50 ± 5 ShA
Tensile Strength (min)	40kg / cm ²
Elongation at Break (min)	200%
Compression Set (70°C / 24 hrs / 25% set) (max)	40%
Tear Resistance (angular) min	18kg / cm ²
Polymer Content (Nitrile)	10%
PROPERTIES - HEAT AGING (72 hrs at 70°C)	METRIC VALUE
Hardness (pts)	+5 (max)
Tear Strength (%)	+10 / -25
Elongation at Break (%)	+10 / -25
VOLUME SWELL (72hrs at 70°C)	
IRM Oil No.1	+ 30%
IRM Oil No.2	+ 44%
IRM Oil No.3	+ 85%
CHEMICAL RESISTANCE	
Ozone	Fair
Dilute Acids and Bases	Fair
Concentrated Acids and Bases	Not Recommended
Oils	Not Recommended
Solvents	Not Recommended
Temperature Range	-30°C - 90°C
Colour	Black