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Nitrile Rubber 40 ShA BS2751 BA40 Data Sheet

PROPERTIES	METRIC VALUE
Specific Gravity	1.10 ± 0.05
Hardness	40 ± 5 ShA
Tensile Strength (min)	70kg / cm ²
Elongation at Break (min)	600%
Compression Set (70°C / 24 hrs / 25% set) (max)	30%
Tear Resistance (angular) min	30kg / cm ²
Polymer Content (Nitrile)	100%
Temperature Range	-30°C - 120°C
Colour	Black
PROPERTIES - HEAT AGING (168 hrs at 70°C)	METRIC VALUE
Hardness (pts)	+10 (max)
Tear Strength (%)	-10 (max)
Elongation at Break (%)	-35 (max)
VOLUME SWELL (72hrs at 70°C)	
IRM Oil No.1	-3%
IRM Oil No.2	-2%
IRM Oil No.3	+10%
VOLUME SWELL (24hrs at 40°C) In:	
Fuel B	+ 30 (max)
Resistance to low temperature in °C at which stiffness shall not exceed 70 MPA	-30°C
Adhesion to and Corrosion of Metals at 70°C / 168hrs	Meets Requirements
CHEMICAL RESISTANCE	
Ozone	Fair
Dilute Acids and Bases	Good
Concentrated Acids and Bases	Not Recommended
Oils	Excellent
Solvents	Fair