

**BS2751 BA50 NITRILE**

MATERIAL SPECIFICATION SHEET

PROPERTY	VALUE	UNIT
Elastomer	Nitrile	
Quality	BS2751: BA50	
Colour	Black	
Grade	A45	
Hardness	50	Shore A
Specific Gravity	1.20	g/cm ²
Tensile Strength	9	MPa
Elongation at Break	450	%
Tear Strength	15	N/MM
Compression Set	25	%
Abrasion resistance	175	mm ³
Working Temperature	-30 to +110	°C

- Has excellent resistance to petroleum based fluids, oils, solvents and greases - but only average resistance to aromatic hydrocarbons.
- Moderate mechanical properties.
- These are general properties, which will vary between grades.



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