

MATERIAL DATA SHEET

EPDM RUBBER (EP 40) BLACK

QUALITATIVE DATA

HIGH TEMPERATURE RESISTANCE	100°C
LOW TEMPERATURE RESISTANCE	- 50°C

ACTUAL PHYSICAL PROPERTIES

HARDNESS RANGE	35 - 45 IRHD
TENSILE STRENGTH	9 MPa Min.
ELONGATION AT BREAK	350% Min.

SPECIFIC GRAVITY	1.15 ± 0.03
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COMPRESSION SET (72 HRS @ 23°C)	20% Max
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HEAT RESISTANCE (168 HRS @ 70°C)

HARDNESS CHANGE	+ 10 IRHD
TENSILE CHANGE (OF ORIGINAL)	- 35%
ELONGATION AT BREAK CHANGE (OF ORIGINAL)	- 35%

OZONE RESISTANCE (48 HRS, 50 pphm OZONE, 40°C)	NO CRACKING
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OIL RESISTANCE

* ASTM OIL No.1 @ 20°C	FAIR
* ASTM OIL No.1 @ 100°C	UNSATISFACTORY
* ASTM OIL No.3 @ 20°C	UNSATISFACTORY
* ASTM OIL No.3 @ 100°C	UNSATISFACTORY

FUEL RESISTANCE

* ASTM FUEL B @ 40°C	UNSATISFACTORY
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SOLVENT RESISTANCE (20°C)

ALCOHOL	GOOD
ACETONE	GOOD
BENZENE	UNSUITABLE

CHEMICAL RESISTANCE

ACIDS	GOOD
BASES	GOOD
RESILIENCE	VERY GOOD
PERMEABILITY TO GASES	FAIRLY LOW
ELECTRICAL STRENGTH	EXCELLENT
FLAME RESISTANCE	POOR
WATER RESISTANCE	EXCELLENT

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