



## WILLIAM JOHNSTON & COMPANY LIMITED

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### Black Natural Rubber to BS1154 Z40 WJ230

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	BS 903: PART A1			1.1
HARDNESS	BS 903: PART A26			40 ± 5 IRHD
TENSILE STRENGTH (KG/CM <sup>2</sup> )	BS 903: PART A2			190
ELONGATION AT BREAK (MIN)	BS 903: PART A2			600%
COMPRESSION SET (70 °C/24 HRS/25% SET) (MAX)	BS 903: PART A6			30%
TEAR RESISTANCE (ANGULAR) MIN	BS 903: PART A3			40 KG/CM
ABRASION RESISTANCE				110
CHANGE IN PROPERTIES				
HEAT AGEING (168 HRS. AT 70°C)	BS 903: PART A 19			
--- HARDNESS (PTS)	BS 903: PART A26			+ 5 / -5 (MAX)
--- TENSILE STRENGTH (%)	BS 903: PART A2			-10 (MAX)
--- ELONGATION AT BREAK (%)	BS 903: PART A2			-15(MAX)
POLYMER CONTENT (NATURAL RUBBER)				100%
ADDITIONAL INFORMATION - CHEMICAL RESISTANCE				
--- OZONE	BS 903: PART A43			NOT RECOMMENDED
--- DILUTE ACIDS AND BASES	BS 903: PART A16			NOT RECOMMENDED
--- CONCENTRATED ACIDS AND BASES				NOT RECOMMENDED
--- OILS				NOT RECOMMENDED
--- SOLVENTS				NOT RECOMMENDED
TEMPERATURE RANGE				-20° TO + 70°C
COLOUR				BLACK

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