



## **WILLIAM JOHNSTON & COMPANY LIMITED**

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### **Black Natural Rubber to BS1154 Z50 WJ231**

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	BS 903: PART A1			1.15
HARDNESS	BS 903: PART A26			50 ± 5 IRHD
TENSILE STRENGTH (KG/CM <sup>2</sup> )	BS 903: PART A2			170
ELONGATION AT BREAK (MIN)	BS 903: PART A2			500%
COMPRESSION SET (70 °C/24 HRS/25% SET) (MAX)	BS 903: PART A6			30%
TEAR RESISTANCE (ANGULAR) MIN	BS 903: PART A3			45 KG/CM
ABRASION RESISTANCE				115
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 A 43			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		

Failure to select the correct materials or products can result in damage to plant and equipment and personal injury. In specific applications, where critical conditions exist, we suggest you contact us, and we will consider with you the most suitable material or product. However, information supplied by William Johnston & Company Limited is intended only as technical co-operation and as a guide to the various uses of different products. No warranty is given in respect of information or recommendations by William Johnston & Company Limited which are only given for guidance and without any guarantee. The customer must satisfy themselves on the suitability of the material or product for the intended purpose. The correct fitting of products particularly is the responsibility of the customer.