



WILLIAM JOHNSTON & COMPANY LIMITED

Glasgow Tel: +44 (0) 141 620 1666 | Inverness Tel: +44 (0) 1463 238 673
sales@williamjohnston.co.uk | www.williamjohnston.co.uk

Black Natural Rubber to BS5400 Pt 9 Bridge Bearing WJ240

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	BS 903: PART A1(Z)	1.20		
HARDNESS	BS 903: PART A26	60 ± 5 IRHD		
TENSILE STRENGTH (MIN)	BS 903: PART A2	155 KG/CM2		
ELONGATION AT BREAK (MIN)	BS 903: PART A2	400%		
COMPRESSION SET (70°C/24 HRS/25% SET) (MAX)	BS 903: PART A6	30%		
TEAR RESISTANCE (ANGULAR) MIN	BS 903: PART A3 (Z)	40 KG/CM		
CHANGE IN PROPERTIES				
HEAT AGEING (7 DAYS / 70°C)	BS 903: PART A 19			
--- HARDNESS (PTS)	BS 903: PART A26	+ 10 / -10 (MAX)		
--- TENSILE STRENGTH (%)	BS 903: PART A2	-15 / + 15 (MAX)		
--- ELONGATION AT BREAK (%)	BS 903: PART A2	- 20 / + 20 (MAX)		
LOW TEMPERATURE BRITTLINESS	BS 903: PART A25	BELOW -25°C		
LOW TEMPERATURE STIFFENING, (-25°C/24 HRS), IRHD	BS 903: PART A26	-0 / +15 IRHD(MAX)		
"LOW TEMPERATURE CRYSTALLIZATION COMPRESSION SET @ -10°C/10 DAYS"	BS 903: PART A39	65% (MAX)		
"LOW TEMPERATURE CRYSTALLIZATION COMPRESSION SET @ -25°C/3 DAYS"	BS 903: PART A39	65% (MAX)		
SHEAR MODULUS (AT A STRAIN OF 0.25)	BS 903: PART A 14	PASS		
--- OZONE@25 PPHM/30°C/96 HRS/20% STRETCH	BS 903: PART A 43	NO VISIBLE CRACKS		

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
POLYMER CONTENT (NATURAL RUBBER)		100%		
ADDITIONAL INFORMATION - CHEMICAL RESISTANCE				
--- DILUTE ACIDS AND BASES		NOT RECOMMENDED		
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		
--- OILS		NOT RECOMMENDED		
--- SOLVENTS		NOT RECOMMENDED		
TEMPERATURE RANGE		-40° TO + 70°C		
COLOUR		BLACK		

Disclaimer

Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.