



WILLIAM JOHNSTON & COMPANY LIMITED

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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		

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