



## **WILLIAM JOHNSTON** & COMPANY LIMITED

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### **Black Non-Reinforced Diaphragm 100% High Grade Neoprene 60° shore WJ208**

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.40±0.05	ASTM D297	1.40±0.05
HARDNESS	DIN 53505	65 ± 5 SH A	ASTM D2240	65 ± 5 SH A
TENSILE STRENGTH (MIN)	DIN 53504	1422 PSI	ASTM D412	100 KG/CM2
ELONGATION AT BREAK (MIN)	DIN 53504	400 %	ASTM D412	400 %
COMPRESSION SET (70°C/24 HRS/25% COMPRESSION) (MAX)	DIN ISO 815-1	40%	ASTM D395 METHOD B	40%
TEAR RESISTANCE (ANGULAR) MIN	DIN 53515	95 LBS/INCH	ASTM D624	25 KG/CM
CHANGE IN PROPERTIES AFTER				
HEAT AGEING FOR (72 HRS. AT 70°C)			ASTM D573	
--- HARDNESS (PTS)		+ 5 (MAX)		+ 5 (MAX)
--- TENSILE STRENGTH (%)		+ 10 / - 25		+ 10 / - 25
--- ELONGATION AT BREAK (%)		+ 10 / - 30		+ 10 / - 30
VOLUME SWELL: AT 70° C FOR 72 HRS			ASTM D 471	
IN IRM OIL NO.1		+ 18%		+ 18%
IN IRM OIL NO.2		+ 23%		+ 23%
IN IRM OIL NO.3		+ 60%		+ 60%
POLYMER CONTENT (NEOPRENE)		100%		100%
CHEMICAL RESISTANCE				
--- OZONE		GOOD	ASTM D 1149	GOOD
--- DILUTE ACIDS AND BASES		FAIR		FAIR
--- CONCENTRATED ACIDS AND BASES		FAIR		FAIR
--- OILS		GOOD		GOOD
--- SOLVENTS		FAIR		FAIR
TEMPERATURE RANGE		-30° TO + 130° C		-30° TO + 130° C
COLOUR		BLACK		

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