



## **WILLIAM JOHNSTON & COMPANY LIMITED**

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### **Black Abrasion Resistant Natural Rubber 50° shore WJ1310**

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.35 ± 0.05	ASTM D297	1.35 ± 0.05
HARDNESS	DIN 53505	50 ± 5 SH A	ASTM D2240	50 ± 5 SH A
TENSILE STRENGTH (MIN)	DIN 53504	711 PSI	ASTM D412	50KG/CM2
ELONGATION AT BREAK (MIN)	DIN 53504	300%	ASTM D412	300%
COMPRESSION SET (70°C/24 HRS/25% COMPRESSION) (MAX)	DIN 53517	45%	ASTM D395 METHOD B	45%
TEAR RESISTANCE (ANGULAR) MIN	DIN 53515	112 LBS/INCH	ASTM D624	20 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 / - 15		+ 10 / - 15
--- ELONGATION AT BREAK (%)		+ 10 / -25		+ 10 / -25
VOLUME SWELL: AT 70°C FOR 72 HRS				
IN IRM OIL NO.1		NOT RECOMMENDED		NOT RECOMMENDED
IN IRM OIL NO.2		NOT RECOMMENDED		NOT RECOMMENDED
IN IRM OIL NO.3		NOT RECOMMENDED		NOT RECOMMENDED
CHEMICAL RESISTANCE				
--- OZONE		NOT RECOMMENDED	ASTM D 1149	NOT RECOMMENDED
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- OILS		NOT RECOMMENDED		NOT RECOMMENDED
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-30 ° TO + 70° C		-30 ° 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.