



WILLIAM JOHNSTON & COMPANY LIMITED

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Black High Temperature GENUINE Viton® (DuPont B) Rubber 70° shore WJ281

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.95 ± 0.05	ASTM D297	1.95 ± 0.05
HARDNESS	DIN 53505	70 ± 5 SH A	ASTM D2240	70 ± 5 SH A
TENSILE STRENGTH (KG/CM2)	DIN 53504	711 PSI	ASTM D412	50 KG/CM2
ELONGATION AT BREAK (MIN)	DIN 53504	250%	ASTM D412	250%
COMPRESSION SET (150°C/24 HRS/25% SET) (MAX)	DIN 53517	40%	ASTM D395 METHOD B	40%
CHANGE IN PROPERTIES				
HEAT AGEING (72 HRS. AT 150°C)			ASTM D573	
--- HARDNESS (PTS)		+ 5 (MAX)		+ 5 (MAX)
--- TENSILE STRENGTH (%)		+ 10 / - 10		+ 10 / - 10
--- ELONGATION AT BREAK (%)		+15 / -15		+15 / -15
VOLUME SWELL: AT 150°C FOR 24 HRS/IN			ASTM D 471	
IRM OIL NO.901		-6%		-6%
IRM OIL NO.902		-1%		-1%
IRM OIL NO.903		+3%		+3%
CHEMICAL RESISTANCE				
--- OZONE		EXCELLENT	ASTM D 1149	EXCELLENT
--- DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
--- CONCENTRATED ACIDS AND BASES		EXCELLENT		EXCELLENT
--- OILS		VERY GOOD		VERY GOOD
--- SOLVENTS		VERY GOOD		VERY GOOD
TEMPERATURE RANGE		-30° TO + 300° C		-30° TO + 300° 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.