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Black Fuel Resistant Nitrile/PVC 65° shore WJ175

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.25	DIN 53508	1.25
HARDNESS	ASTM D2240	65 ± 5 SH A	DIN 53505	65 ± 5 SH A
TENSILE STRENGTH (MIN)	ASTM D412	995 PSI	DIN 53504	60 KG/CM2
ELONGATION AT BREAK (MIN)	ASTM D412	250%	DIN 53504	250%
COMPRESSION SET (70ºC/24 HRS/25% SET) (MAX)	ASTM D395 METHOD B	35%	DIN 53517	35%
ABRASION LOSS (MAX)	ASTM D 5963	300 MM3	DIN 53516	300 MM3
TEAR RESISTANCE (ANGULAR) MIN	ASTM D624	123 LBS/INCH	DIN 53515	22 KG/CM
CHANGE IN PROPERTIES				
HEAT AGEING (72 HRS. AT 70ºC)	ASTM D 573			
--- HARDNESS (PTS)		+ 6 (MAX)		+ 6 (MAX)
--- TENSILE STRENGTH (%)		+ 10 / -10		+ 10 / -10
--- ELONGATION AT BREAK (%)		+ 10 / -20		+ 10 / -20
VOLUME SWELL: AT 70ºC FOR 72 HRS/IN	ASTM D 471			
ASTM OIL NO.1		-2%		-2%
ASTM OIL NO.2		+ 4%		+ 4%
ASTM OIL NO.3		+ 13%		+ 13%
AT FUEL B /24 HRS/ROOM TEMP, MAX		+ 25 %		+ 25 %
POLYMER CONTENT (NITRILE/PVC BLEND)		BLEND		BLEND
CHEMICAL RESISTANCE				
--- OZONE	ASTM D 1149	GOOD		GOOD
--- DILUTE ACIDS AND BASES		GOOD		GOOD
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- OILS		EXCELLENT		EXCELLENT

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.