



WILLIAM JOHNSTON & COMPANY LIMITED

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Black NBR Nitrile Coated Nylon Diaphragm Sheetting 70 Shore to BS2751 BA 70 – 1mm WJ195CO

Properties	Test Method	Values FPS Units
Volume Swell: At 40°C for 24hrs/in		
Fuel B (Max)	BS 903: Part A16	+25%
Resistance to low temperature in °C at which the stiffness shall not exceed 70MPA	BS903: Part A13	-25
Adhesion to and corrosion of metals at 70°C/168 hrs	BS 903: Part A37	MEETS REQUIREMENTS
Polymer Content (Nitrile)		100%
Additional Information		
Chemical Resistance		
Ozone	BS 903: Part A43	FAIR
Dilute Acids and Bases	BS 903: Pat A16	GOOD
Concentrated Acids and Bases		NOT RECOMMENDED
Mineral Oil/Petroleum		EXCELLENT
Solvents		FAIR
LPG/CNG		GOOD
Water		GOOD
Volume Swell: At 70°C for 72 hrs/in		
IRM / ASTM Oil No. 1		- 3%
IRM / ASTM Oil No. 2		- 2%
IRM / ASTM Oil No. 3		+ 10%
Nitrile Rubber Coated Fabric in Black for Diaphragm Sheet – 1mm		
Elastomer Characteristics	Value	Test Method
Elastomer	NBR Nitrile Rubber	BS2751 BA70
Hardness	70 ± 5 SH A	DIN 53505
Colour	Black	
Fabric Characteristics		
Fabric	KK200	
Weight	250GSM	
Thickness	0.5mm	
Coated Fabric Characteristics		
Thickness	1.00 ± 0.05	
Weight	1150 ± 50	ASTM D-751 IS-7016 (Pt-I)
Tensile Strength kg/50mm	Warp	ASTM D-751 IS 7016-Part II ISO-1421
	Weft	
Elongation at Break	Warp	30% (max)
	Weft	
Adhesion (Peel Strength) kg/25mm	5kg	ASTM D-751
Temperature range	-25° to +110°C	

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