



## WILLIAM JOHNSTON & COMPANY LIMITED

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### Black NBR Nitrile Coated Nylon Diaphragm Sheet 70 Shore to BS2751 BA 70 – 0.25mm 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 – 0.25mm		
Elastomer Characteristics	Value	Test Method
Elastomer	NBR Nitrile Rubber	BS2751 BA70
Hardness	70 ± 5 SH A	DIN 53505
Colour	Black	
Fabric Characteristics		
Fabric	10292	
Weight	80 GSM	
Thickness	0.12mm	
Coated Fabric Characteristics		
Thickness	0.25 ± 0.05	
Weight	390 ± 50	ASTM D-751 IS-7016 (Pt-I)
Tensile Strength kg/50mm	Warp	80 (min)
	Weft	80 (min)
Elongation at Break	Warp	30% (max)
	Weft	30% (max)
Adhesion (Peel Strength) kg/25mm	5kg	ASTM D-751
Temperature range	-25° to +110°C	

#### Disclaimer

Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.