



## WILLIAM JOHNSTON & COMPANY LIMITED

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

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