



FAIRPRENE® PRODUCT BULLETIN: B3N1



Product Code:

WFP-B3N1

[Compare to BN-5789, Nitrile coated Nylon]*

Description:

Nitrile coated nylon material suitable for use in diaphragm applications. Fairprene® B3N1 materials are manufactured from high ACN content NBR polymers for maximum life in aliphatic and aromatic hydrocarbons. B3N1 was developed for superior cold temperature flexibility and extreme duty cycles.

Typical Physical Properties:

Base Fabric:	Nylon	
Coating:	NBR (Nitrile) 50 Durometer	High ACN content ASTM D-412

Coated Fabric Properties:

Mullen Burst:	136 psi	ASTM D-751
Tensile (Grab):	60 x 60 lbs/in	ASTM D-751
Finish Gauge:	.025" ±.003" (or as otherwise specified)	
Finished Width:	48" (or as otherwise specified)	

General Polymer Characteristics:

Resistance To:

	NBR (Nitrile)
Aliphatic Hydrocarbons	Excellent
Aromatic Hydrocarbons	Good
Oxygenated (Ketones, etc.)	Poor
Lacquer Solvents	Poor
Oil & Gasoline	Excellent
Animal & Vegetable Oil	Excellent
Water Absorption	Good
Oxidation	Excellent
Ozone	Fair
Sunlight	Very Good
Heat Aging	Good to Excellent
Flame	Poor
Heat	Good
Cold	Excellent

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