

## BS2752 C60 Neoprene - 1 Ply Nylon Reinforced

### Datasheet

Product Code: RC0333

### Product Description

Our high grade neoprene insertion sheeting is a premium material that utilises a 150gsm nylon cloth to enhance the physical properties of the product. The combination of neoprene with a nylon insertion creates a stronger, more durable material that is suitable for use in physically demanding applications.



### Available In -



Full Rolls

Cut to strip

Bespoke Gaskets

### Technical Specification

Properties	Test Method	Values
Product	-	Insertion Sheeting
Compound	-	CR / SBR / Cloth
Hardness (Shore A)	ASTM D2240	60° ± 5°
Density	ASTM D297	1.30 ± 0.05 g/cm <sup>2</sup>
Tensile Strength	ASTM D412	130 Kg/cm <sup>2</sup>
Elongation at Break	ASTM D412	350%
Compression Set (22h, 70°C)	ASTM D395 Method B	30%
Working Temperature Range	-	-30°C to + 110°C
Tear Strength	ASTM D624	25 Kg/cm
Hardness (Pts)	ASTM D2240	+7 (MAX)
Tensile Strength (%)	ASTM D412	-12 (MAX)
Elongation at Break (%)	ASTM D412	-20 (MAX)
Volume Swell: At 40°C for 24hrs/in	ASTM D471	
FUEL B		+70% (MAX)



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Properties	Test Method	Values
Resistance to low temperature at -40°C	ASTM 2137	MEETS REQUIREMENTS
Adhesion to and corrosion of metals		MEETS REQUIREMENTS
Polymer content (Neoprene)	-	100%
Additional Information		
Chemical Resistance		
Ozone	ASTM D1171	GOOD
Dilute Acids and Bases	ASTM D471	GOOD
Concentrated Acids and Bases	-	NOT RECOMMENDED
Mineral Oils - Paraffinic & Naphthanic HC	-	GOOD
Mineral Oils - Aromatic HC	-	FAIR
Animal/Vegetable Oil	-	GOOD
Solvents	-	FAIR
Temperature Range	-	-30°C to +120°C
Insertion	-	1PLY 150GSM Nylon fabric reinforcement

## Volume Swell Data

Properties	Test Method	Values
Resistance to Liquids	BS ISO 1817, 24 h at (40±1) °C -2	-0
Volume Change (%) After Immersion in Liquid B	BS ISO 1817, 24 h at (40±1) °C -	+70
Resistance to Accelerated Ageing	PART A19, AIR-OVEN METHOD A, (168±2)h, (70±1)°C	-0
Change in Hardness Degrees (IRHD)	PART A26, METHOD N, MEASUREMENTS BEFORE AND AFTER AGEING ON THE SAME 2 PLIES EACH 2.00MM THICK	+7
Maximum Change in Tensile Strength (% of Original Value)	PART A2, TYPE 1 OR TYPE 2 DUMBBELLS	-12
Maximum Change in Elongation at Break (% of Original Value)	PART A2, TYPE 1 OR TYPE 2 DUMBBELLS	-20



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### Standard Sizes

Properties	Tolerances
1.5mm x 1.5m x 10m	1.95
2mm x 1.5m x 10m	2.6
2.5mm x 1.5m x 10m	3.25
3mm x 1.5m x 10m	3.9
5mm x 1.5m x 10m	6.5
6mm x 1.5m x 10m	7.8



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