

**Material Specification
Sheet**e: sales@rhnuttall.co.uk
t: 0121 359 2484
f: 0121 359 4439**RHN 8E**www.rhnuttall.co.uk**Closed Cell Expanded Wetsuit Neoprene Sponge****General Information**

Our coloured neoprene sponge sheets have a superb air and water tight properties which make them an ideal choice for a whole host of applications including clothing and general repairs. Our fabric neoprene sponge sheets come in various colours including blue, red, black, pink and green, and are also available with a smooth finish. Wetsuit neoprene is the material used for garments worn by divers. Given its application, wetsuit material needs to be supremely water-resistant, tough and capable of retaining warmth.

Wetsuit fabric has long been made from neoprene due to its inherent strength and ability to trap a layer of water between the skin and suit. This ingenious use of wetsuit fabric enables the wetsuit material to leave the warming of the trapped water to the natural heat generated by the swimmer's body.

Property	Test Method	Unit	Result
Polymer	-	-	Neoprene (CR)
Colour	-	-	Black
ASTM D1056-00 Classification	-	-	2C2
25% Compression Deflection	ASTM D1056	kPa	35 – 65
50% Compression Set	ASTM D1056	%	25 max
Density	DIS EN ISO 845	Kg/m ³	220 +30
Durometer	30mm Thickness, skin both sides	Shore 00	45 – 53
Impact Resilience	DIN 53 512	%	70 min
Shrinkage	20 min/160°C 30 min	% linear	12 max
Tensile Strength	DIN 53 504	N/mm ²	0.80 min
Elongation at break	DIN 53 504	%	200 min
Standard Sheet Size	-	cm +5%	210 x 125
Standard Bun Thickness	-	mm + 5%	30

The information given above is based upon average values and is no way intended as a warranty. The purchaser is deemed responsible for determining the suitability of the product for any application. All data relating to suitable uses and description information concerning our products are compiled from research and are believed to be reliable but are provided for guidance purposes only. The Company holds no legal or contractual responsibility for information supplied

