

# Material ref AR220

## Black Expanded Crossed Linked Polyethylene (PE) Foam

Is an economically priced flexible fine pore, closed cell foam.

It is lightweight, has a wide working temperature range, odourless and very low water absorption making it ideal for case lining to prevent damage to product in transport, gap filling and general gasketing and sealing

Unlike "open cell" material, closed cell foams has gas cells which are sealed from each other making the material impervious to water.

Supplied with or without self adhesive backing

(for information on self adhesive please see [material ref AR991 double sided acrylic adhesive tape data sheet/guidance sheet](#))

### Thickness range & strip coil lengths

2mm, 3mm, 4mm, 5mm, 6mm, 10mm, 12mm thick -

10mtr packs supplied as 1coil x 10mtrs long/50mtr packs supplied as 5 coils x 10mtrs long

Available in sheet & strip etc. see test data sheet for further specification details

### Material Guide: Sponge/Foams, Closed Cell

*Materials are listed below most economical (to the left) to most expensive (to the right)*

Materials	Polyethylene	Nitrile	PVC	EPDM	EPDM	Neoprene
Material Ref	220 (Black) 221 (White)	145	210 (Black) 211 (White)	120	122	110
Polymer Type	Plastic	Plastic/Rubber Blend	Plastic	Rubber	Rubber	Rubber
Colour	Black & White	Black	Black & White	Black	(off) White	Black
Density	33 kgm/mtr3	60/90 kgm/mtr3	100/125 kgm/mtr3	130/170 kgm/mtr3	120/160 kgm/mtr3	150/190 kgm/mtr3
Hardness	49 Shore '00'	No Data (Soft)	20/40 Shore '00'	40/45 Shore '00'	40/45 Shore '00'	43/48 Shore '00'
Temperature Max	+100C°	+85C°	+60C°	+90C°	+90C°	+75C°
Temperature Min	-80C°	-50C°	-30C°	-30C°	-30C°	-40C°
Flame Retardency	None	Class'0'	FMVSS	FMVSS302	FMVSS302	FMVSS302
Compression Set	See data sheet	No Data	30%	<5%	<2%	<5%
Acoustic Data	No Data	Yes See Data Sheet	No Data	No Data	No Data	No Data
Surface	Skin	Skin	Skin	Cell	Cell	Cell

### Delivery

95% of products are despatched within 24hours of receiving order (exception: self adhesive solid neoprene strip, 3 to 5 working days). If orders are required by a specific deadline please email or phone prior placing your order for definite delivery date.

Material samples are available by request and specific questions can be asked via email:

[sales@rubberonlinelimited.co.uk](mailto:sales@rubberonlinelimited.co.uk)

The above is a rough guide and is subject to change without notice.

This information is designed to guide you, the customer, to the most suitable product for your intended application.

The assessment of use is the responsibility of the customer and any liability will remain with the customer.

Terms and conditions apply.

We are committed to customer satisfaction, if you have any concerns about our products or service please contact on us 01268 732185 and ask for customer services.