

Material ref AR221

Expanded Cross Linked Polyethylene Foam

33kgm/mtr³

Issue September 2003.

Material Reference, White- 221
 Colour- White
 Type Polyethylene (PE)

Properties	Unit	Value
Density	kgm/mtr ³	33
Tensile Strength - Length	kPa	395
Tensile Strength - Crosswise	kPa	250
Tensile Elongation - Length	%	140
Tensile Elongation - Crosswise	%	120
Compressive Strength Deflection 10%	kPa	19
Compressive Strength Deflection 25%	kPa	38
Compressive Strength Deflection 50%	kPa	105
Compression set 22H Charge at 23°C Deflection 25%		
0.5h after discharge	%	21
24h after discharge	%	12
Thermal Conductivity at 10 °C	W/mk	0.034
Thermal Conductivity at 40 °C	W/mk	0.039
Working Temperature	°C	-80 to +100
Water Absorption (7 day)	%	1 (less than) vol
Shore Hardness	00 scale	49

Other information

Available colours: - Anthracite (Dark Grey/Black) and White
 Sheet width: - 1000mm wide
 Sheet thickness & length; – 2, 3, 4, 5, 6, 8, 10 & 12mm thick x 10mtrs long
 Surface finish: - Skin on both faces

Data has been copied from manufactures/distributors data test sheet and is intended to be used for guidance and come without warranty or guarantee.

As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline

It is the responsibility of you, the customer to assess the suitability of product supplied for the purpose for which they are to be used.

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