MacLellan
Polymers to Industry

Data Sheet	S004 Insulating Blanket to BS EN 61112

Data Sheet Type	Final
Material Reference	S004
Polymer	EPDM
Date Issued	24/11/26

Description

A high voltage Electrical Insulation Blanket and shrouding material suitable for live working up to 1000 volts. Manufactured and certified to BS EN 61112 Class 0, which not only requires compliance to the electrical insulation testing but also flame resistance; wear, tear and oil resistance; puncture and low temperature resistance.

Manufactured in rolls at 1mtr and 1.2mtr wide x 1mm thick, and supplied in a salmon red colour. Branded in accordance with the BS EN 61112 specification.

Specifications	Values	Test Methods
Compression Set	22 %	ISO 815
Elongation at Break	700 %	DIN 53504
Highest Recommended Working Temperature	100 °C	None
Lowest Recommended Working Temperature	-50 °C	None
Ozone Resistance	Yes	ISO 1431
Shore Hardness (Shore A)	60 +/- 5 ° Shore	DIN 53505
Specific Gravity	1.18 +/-0.02 g/cm 3	ISO 2781
Tensile Strength	19 N/mm 2	ISO 37

Purposes



Electrical Insulation

Important Notes about this Material Data Sheet

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.