

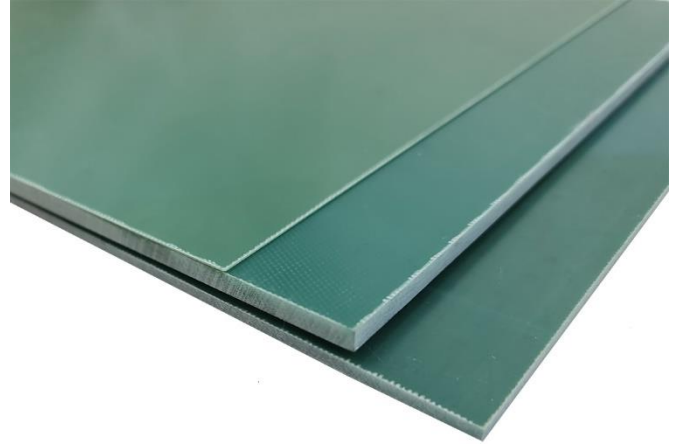
# Isoval 11, G11 Epoxy Fibreglass Sheet

## Quick Reference Guide



### Overview

Our Isoval 11 is a high quality, high performance grade of epoxy laminate used for all kinds of electrical insulation and mechanical support applications. This material is manufactured from heat resistant epoxy resin which is used to laminate layer upon layer of fibreglass. The result is a rigid, high strength sheet that can be cut or machined accurately and exhibits excellent electrical & thermal properties.



Isoval 11 meets or exceeds all requirements of NEMA G11 (and more). This quality rigid electrical insulation board is manufactured in Europe by Isovolta and is widely used throughout Australian industry and around the world.

### Key Specifications

Temperature Resistance	180°C
Colour	Green
Density	2 g/cm <sup>3</sup>
Tensile Strength	240 MPa
Flexural Strength after 1,000hrs in Oil (100°C)	400 MPa
Breakdown Voltage at 90°C in Oil Parallel to Laminations	40 kV
Insulation Resistance after Immersion in Water	13 kV/mm

Used for a variety of applications including...

- Structural insulation parts for HV transformers.
- High voltage slot wedges for high temperature electric motors.
- HV terminal blocks and cable supports.
- Insulating panels and washers.
- Mechanical supports requiring high heat resistance and dielectric strength.

### Custom Isoval 11 Sheets and Parts.

All the smaller sizes of Isoval 11 G11 sheets listed on the next pages are cut to order. Consequently, it is no problem to produce custom sized sheets, panels or parts.

More complex components can also be produced through either water cutting, machining or some combination of the two. This includes Isoval washers, precision slot wedges, bushes, gears and much more.

For more information on custom components made from our Isoval 11 Epoxy Sheet, please do contact us.



# Isoval 11, G11 Epoxy Fibreglass Sheet Quick Reference Guide



## Isoval 11 G11 Epoxy Glass Insulation Sheet Sizes.

The tables below list all our standard sizes of Isoval 11 Sheet. To quickly find any on our website, just search for the SWM part number listed. Alternatively, browse the full range at [swiftsupplies.com.au/isoval-g11-epoxy-fibreglass-sheet](http://swiftsupplies.com.au/isoval-g11-epoxy-fibreglass-sheet)

Thickness	Small Sheets 250mm Square	Medium Sheets 500mm Square	Medium Sheets 500mm x 1000mm
0.2mm	SWM000388P01V0001	SWM000388P01V0027	SWM000388P01V0053
0.3mm	SWM000388P01V0002	SWM000388P01V0028	SWM000388P01V0054
0.5mm	SWM000388P01V0003	SWM000388P01V0029	SWM000388P01V0055
0.8mm	SWM000388P01V0004	SWM000388P01V0030	SWM000388P01V0056
1mm	SWM000388P01V0005	SWM000388P01V0031	SWM000388P01V0057
1.5mm	SWM000388P01V0006	SWM000388P01V0032	SWM000388P01V0058
2mm	SWM000388P01V0007	SWM000388P01V0033	SWM000388P01V0059
2.5mm	SWM000388P01V0008	SWM000388P01V0034	SWM000388P01V0060
3mm	SWM000388P01V0009	SWM000388P01V0035	SWM000388P01V0061
3.5mm	SWM000388P01V0010	SWM000388P01V0036	SWM000388P01V0062
4.5mm	SWM000388P01V0011	SWM000388P01V0037	SWM000388P01V0063
5mm	SWM000388P01V0012	SWM000388P01V0038	SWM000388P01V0064
6mm	SWM000388P01V0013	SWM000388P01V0039	SWM000388P01V0065
8mm	SWM000388P01V0014	SWM000388P01V0040	SWM000388P01V0066
10mm	SWM000388P01V0015	SWM000388P01V0041	SWM000388P01V0067
12mm	SWM000388P01V0016	SWM000388P01V0042	SWM000388P01V0068
16mm	SWM000388P01V0017	SWM000388P01V0043	SWM000388P01V0069
20mm	SWM000388P01V0018	SWM000388P01V0044	SWM000388P01V0070
25mm	SWM000388P01V0019	SWM000388P01V0045	SWM000388P01V0071
30mm	SWM000388P01V0020	SWM000388P01V0046	SWM000388P01V0072
32mm	SWM000388P01V0021	SWM000388P01V0047	SWM000388P01V0073
38mm	SWM000388P01V0022	SWM000388P01V0048	SWM000388P01V0074
50mm	SWM000388P01V0023	SWM000388P01V0049	SWM000388P01V0075
65mm	SWM000388P01V0024	SWM000388P01V0050	SWM000388P01V0076
75mm	SWM000388P01V0025	SWM000388P01V0051	SWM000388P01V0077
100mm	SWM000388P01V0026	SWM000388P01V0052	SWM000388P01V0078

More Sizes Listed on Next Page.

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<b>Thickness</b>	<b>Half Sheets 1000mm Square</b>	<b>Full Sheets 1040mm x 2140mm</b>
<b>0.2mm</b>	SWM000388P01V0079	SWM000388B01V0001
<b>0.3mm</b>	SWM000388P01V0080	SWM000388B01V0002
<b>0.5mm</b>	SWM000388P01V0081	SWM000388B01V0003
<b>0.8mm</b>	SWM000388P01V0082	SWM000388B01V0004
<b>1mm</b>	SWM000388P01V0083	SWM000388B01V0005
<b>1.5mm</b>	SWM000388P01V0084	SWM000388B01V0006
<b>2mm</b>	SWM000388P01V0085	SWM000388B01V0007
<b>2.5mm</b>	SWM000388P01V0086	SWM000388B01V0008
<b>3mm</b>	SWM000388P01V0087	SWM000388B01V0009
<b>3.5mm</b>	SWM000388P01V0088	SWM000388B01V0010
<b>4.5mm</b>	SWM000388P01V0089	SWM000388B01V0011
<b>5mm</b>	SWM000388P01V0090	SWM000388B01V0012
<b>6mm</b>	SWM000388P01V0091	SWM000388B01V0013
<b>8mm</b>	SWM000388P01V0092	SWM000388B01V0014
<b>10mm</b>	SWM000388P01V0093	SWM000388B01V0015
<b>12mm</b>	SWM000388P01V0094	SWM000388B01V0016
<b>16mm</b>	SWM000388P01V0095	SWM000388B01V0017
<b>20mm</b>	SWM000388P01V0096	SWM000388B01V0018
<b>25mm</b>	SWM000388P01V0097	SWM000388B01V0019
<b>30mm</b>	SWM000388P01V0098	SWM000388B01V0020
<b>32mm</b>	SWM000388P01V0099	SWM000388B01V0021
<b>38mm</b>	SWM000388P01V0100	SWM000388B01V0022
<b>50mm</b>	SWM000388P01V0101	SWM000388B01V0023
<b>65mm</b>	SWM000388P01V0102	SWM000388B01V0024
<b>75mm</b>	SWM000388P01V0103	N/A
<b>100mm</b>	SWM000388P01V0104	N/A

More Sizes Listed on Previous Page.