Tampala Pty Ltd trading as
BIY Construction Supplies
23-25 Clyde Street
Wingfield SA 5013

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ABN 47 008 016 082

BIYCELL SHEET
(Closed Cell Compressible Polyethylene Foam)

DESCRIPTION:
Biycell is a closed cell compressible 100% polyethylene foam used in various applications in the construction industry.

SIZES:
Sheets are 1.2m x 2.4m wide, in a range of thicknesses from 10mm up to 50mm.
Jumbo Rolls are available in 5mm to 20mm thickness.
Sheets are supplied plain. Adhesive backed can be supplied by special order. Jumbo rolls are supplied either plain or adhesive backed.

PROPERTIES:

FEATURES & BENEFITS:
-A relatively low cost, inert foam that has excellent physical characteristics

-A unique single piece of extruded foam with no lamination or joins

-Non absorbent and impervious to most liquids

-Superior compression and recovery properties, vital to ensure a good joint filler

-Excellent weather and resistance to ultra violet light

-Highly resistance to temperature, acids, alkalis, oils and solvents

DESCRIPTION	UNIT	VALUE	METHOD
Density	Kg/m³	30	JIS K6767
Tensile Strength	kpa	270	JIS K6767
Elongation	%	125	JIS K6767
Compressive Hardness	kpa	30	JIS K6767
Tear Strength	N/cm	16	JIS K6767
Water Absorption	Gms/cm³	0.001	JIS K6767
Thermal Conductivity	W/mk	0.30	SATM518
Compression Set	%	10	JIS K6767
Maximum Working Temperature	°C	-60 +60	-

BIY CONSTRUCTION SUPPLIES

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MEDIUM	VISIBLE CHANGE	LENGTH	WIDTH	THICKINESS	ABSORPTION VOLUME %	RETENTION OF TENSILE
Distilled Water	None	+0.2	-2.2	-3.7	1.7	-
Sulphuric Acid 30%	None	+0.2	+0.3	-0.5	0.4	96
Sulphuric Acid 3%	None	-0.4	0	-1.7	0.4	-
Nitric Acid 10%	None	-0.2	+2.5	-0.1	1.0	100
Hydrochloric Acid	None	+0.6	+0.5	-1.7	0.8	100
Acetic Acid 5%	None	+0.6	+1.0	-3.9	1.6	98
Oleic Acid	None	+1.2	+2.3	-4.4	4.3	-
Caustic Soda	None	+0.2	+0.8	-0.9	0.9	100
Caustic Soda Soln	None	-0.2	+0.8	-1.5	0.4	-
Ammonia 10%	None	+1.2	-2.0	-1.5	1.8	-
Soda-Water 2%	None	+0.4	+1.0	-1.5	1.8	-
Sodium Cl Soln 10%	None	-0.6	-1.5	-1.1	0.8	99
Aqueous phenol	None	+0.4	+2.0	-2.3	1.9	97
Citric Acid Soln 5%	None	+0.4	+1.0	+2.0	1.3	
Hydroperoxide 3%	None	0	+1.3	+3.8	0.9	100
Ethanol 95%	None	0	0	-0.7	3.7	99
Ethanol 50%		0	-0.5	-3.2	2.2	-
Acetone	None	+0.4	+1.2	-3.0	5.5	100
Ethyl Acetate	None	+1.0	+1.7	+0.8	6.1	100
Ethylene Chloride	None	+2.0	+2.8	-8.0	3.4	100
Carbon	None	+8.2	+7.7	+1.3	16.7	100
Toluene	None	+6.4	+7.3	+1.8	14.7	100
Heptane	None	+6.8	+7.3	-5.7	11.3	100

Measured in accordance with ASTM 543-56T, test specimen 50 x 40mm submersion time—4 weeks