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PRODUCT DATA SHEET

Premium CHAIN & SHADE

Solashade Premium Shadecloth—Part 1

Description	Roll Size Roll Weight	Fabric Weight	Bursting Pres- sure AS 2001.2.4- 1990 Method B	Tear Resis- tance AS 2001.2.10- 1986	Bursting Force Ball Burst Method AS 2001.2.19 -1988	Maximum Force & Elong- ation AS 2001.2.3.1- 2001	Flame Retardant AS 1530.2- 1993	Flammability Index	Colours	Material	Manufacturer
Solashade Premium Shadecloth	1.83m x 50m 14kg	150GSM	1300 kPa Test # 18-003113	Length: 85.1 N Width 70.2 N Test# 18-003113	748 N Test # 18-003113	Length 550 N/50mm Width 510 N/50mm Test# 18-003113	NO Test# 18-003118	1 Test# 18-003118	Black, Blue, Green, Beige, White, Red, Yellow, Pink	UV Stabilised HDPE	Manufactured in South Korea under guidance from Davmar Industries

Chain Link Fencing—Part 2

Description	Roll Size Roll Weight	Pallet Qty	Wire Diameter AS 2423-2002	Mesh Pitch AS 2423-2002	Breaking Force & Elongation AS2001.2.3.1- 2001	Material	Manufacturer
Chain Link Fence	1.8m x 15m 34 KG	15	2.24mm	50mm x 50mm Diamond Pattern	Tensile Strength 454.98 N/mm Breaking Load 1809.0 N	Heavy Galvanised Knuckle / Knuckle	Manufactured Under guidance by Davmar Industries

The above data sheet has been compiled using official test results obtained by Davmar Industries Pty Ltd using the approved testing laboratories of the AWTA Product Testing. The above test results are carried out to Australian Standards. Please refer to all certified copies.

AWTA PRODUCT TESTING

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TEST REPORT

Client : Davmar Industries Pty Ltd
108 Derrimut Drive
Derrimut VIC 3030

Test Number : 18-003118
Issue Date : 18/06/2018
Print Date : 18/06/2018

Sample Description Clients Ref : "Solashade Shadecloth 50%"
Knitted shadecloth
Colour : Black
Nominal Composition : HDPE
Nominal Mass per Unit Area/Density : 150g/m²
Nominal Thickness : Approx: 1mm

AS 1530.2-1993

Methods for Fire Tests on Building Materials, Components and Structures. Part 2: Test for Flammability of Materials

Date Tested		18/06/2018
Flammability Index		1
	Length	Width
Spread Factor	0	0
Heat Factor	1	1
Maximum height (d)		
Mean	1.0	1.0
Coefficient of Variation	0.0	0.0 %
Heat (a)		
Mean	1.6	1.8 °C.min
Coefficient of Variation	12.9	23.6 %
Number of Specimens Tested	6	9
Observation	Melting.	

These test results relate only to the behaviour of the test specimens of the material under the particular conditions of the test, and they are not intended to be the sole criterion for assessing the potential fire hazard of the material in use.

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28250

Page 1 of 1

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TEST REPORT

Client : Davmar Industries Pty Ltd
108 Derrimut Drive
Derrimut VIC 3030

Test Number : 18-003117
Issue Date : 22/06/2018
Print Date : 22/06/2018

Sample Description Clients Ref : "Solashade Shadecloth 50%"
Knitted shadecloth
Colour : Black
Nominal Composition : HDPE
Nominal Mass per Unit Area/Density : 150g/m²
Nominal Thickness : Approx: 1mm

AS/NZS 1530.3-1999

Methods for Fire Tests on Building Materials, Components and Structures Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release

	Face	Standard Error	Mean
Face tested:	Face		
Date tested:	20/06/2018		
Ignition time	0.33		8.62 min
Flame propagation time	Nil		Nil sec
Heat release integral	1.8		30.7 kJ/m ²
Smoke release, log d	0.0486		-1.1308
Optical density, d			0.0264 / metre
Number of specimens ignited:			6
Number of specimens tested:			6
Regulatory Indices:			
Ignitability Index			11 Range 0-20
Spread of Flame Index			0 Range 0-10
Heat Evolved Index			1 Range 0-10
Smoke Developed Index			4 Range 0-10

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TEST REPORT

Client : Davmar Industries Pty Ltd
108 Derrimut Drive
Derrimut VIC 3030

Test Number : 18-003117
Issue Date : 22/06/2018
Print Date : 22/06/2018

These results only apply to the specimen mounted, as described in this report. The result of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.

The reaction of thin unsupported flexible materials to flame impingement can be assessed in accordance with AS 1530.2. Where materials of thickness less than 2mm that are sufficiently flexible to be bent by hand around a mandrel of 2mm diameter or less are subjected to the test described herein, they should also be subjected to the test in AS 1530.2.

The specimens melted away from the area of maximum heat and produced flaming droplets during the test. Due to this phenomena it should be recognised that this test result may not be a true indication of the product's fire hazard properties.

The specimens melted and flowed away from the area of maximum heat during the test. Due to this phenomena it should be recognised that this test result may not be a true indication of the product's fire hazard properties.

To allow free movement of sample during testing all corners were folded away from the clamps.

Each test specimen was sandwiched between two layers of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions, stapled through at four points, each 100mm from the centre of the sample and the assembly clamped in four places.

132948

28249

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TEST REPORT

Client : Davmar Industries Pty Ltd
108 Derrimut Drive
Derrimut VIC 3030

Test Number : 18-003113
Issue Date : 13/06/2018
Print Date : 13/06/2018

Sample Description Clients Ref : "Solashade Shade Cloth"
Knitted shade cloth
Colour : Black
Nominal Composition : HDPE

AS 2001.2.10-1986

Methods of Test for Textiles - Physical Tests

Determination of the Tear Resistance of Woven Textiles Fabrics by the Wing Rip Method

	Length	Width
Mean	85.1	70.2 N
Maximum value	93.4	76.6 N
Minimum value	69.9	55.4 N

AS 2001.2.4-1990
Method B

Bursting Pressure of Textile Fabrics - Hydraulic Diaphragm Method

Mean Bursting Pressure	1300 kPa
Coefficient of Variation	6.1 %
State of Tested Specimen	Conditioned

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TEST REPORT

Client : Davmar Industries Pty Ltd
108 Derrimut Drive
Derrimut VIC 3030

Test Number : 18-003113
Issue Date : 13/06/2018
Print Date : 13/06/2018

AS 2001.2.3.1-2001

Methods of Test for Textiles - Physical Tests

Determination of Maximum Force and Elongation at Maximum Force using the Strip Method

Test Date	12/06/2018
Pretension	2 N
Type of Strip	Cut
Gauge Length	200 mm
Rate of Extension	100 mm/min
State of tested Specimen	Conditioned
Mean Maximum Force	Original
Length	550 N/50mm
Width	510 N/50mm
Mean Elongation at Maximum Force	Original
Length	52.0 %
Width	81 %
Number of Specimens Tested	Original
Length	5
Width	5

Sampling Pattern in accordance with Annex B.

Jaw Breaks occurred in the Width direction.

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TEST REPORT

Client : Davmar Industries Pty Ltd
108 Derrimut Drive
Derrimut VIC 3030

Test Number : 18-003113
Issue Date : 13/06/2018
Print Date : 13/06/2018

AS 2001.2.19-1988

Methods of Test for Textiles - Physical Tests Determination of Bursting Force of Textile Fabrics - Ball Burst Method

Steel Ball Diameter 25.4 mm
Force Applied to Face
State of Tested Specimen Dry

Specimen	
1	781 N
2	597 N
3	836 N
4	725 N
5	798 N
Mean	748 N

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TEST REPORT

Client : Davmar Industries Pty Ltd
108 Derrimut Drive
Derrimut VIC 3030

Test Number : 18-001487
Issue Date : 28/03/2018
Print Date : 28/03/2018
Order Number : Q6425/Mark 26218

Sample Description Wire Strands
2.24mm diameter

Tensile Strength

Date of Test	28/03/2018
Gauge Length	200 mm
Cross Head Speed	100 mm/minute
State of Tested Specimen	Conditioned
Mean Force	1660 N
Mean Force	421 MPa
Number of specimens tested	5

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