

# AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd – trading as AWTA Product Testing  
ABN 43 006 014 106

1<sup>st</sup> Floor, 191 Racecourse Road, Flemington Victoria 3031  
PO Box 240, North Melbourne, Victoria 3051

Phone: (03) 9371 2400 Email: [producttesting@awta.com.au](mailto:producttesting@awta.com.au)

## PRODUCT TESTING FEES PRICE LIST STRUCTURE Effective 1 July 2022 to 30 June 2023

Fee  
\$ Total  
Inc. GST

### FEES APPLICABLE TO FLAMMABILITY TESTING

#### Apparel Fabrics

Children's Nightwear Test for AS/NZS 1249

T16	Garment Evaluation	137.00	150.70
T16J	Label Durability	94.00	103.40
T16LA	Label Durability and Assessment	135.00	148.50
T17G	Flame Spread Test (Required before and after Laundering)	137.00	150.70
T17H	Surface Burn Test - (After Laundering)	130.00	143.00
T17I	Laundering	76.00	83.60

The tests required will depend on the fabric and garment construction.

#### Protective Clothing

T17GL	Limited Flame Spread	137.00	150.70
T45E	Thermal Protection Properties/Heat Transfer Index	281.00	309.10
T45ER	Heat Transfer Radiation	661.00	727.10
T45EF	Strength loss after heat transfer radiation	815.00	896.50

#### Building / Drapery / Upholstery / Wall and Ceiling Linings / Floor Coverings / Ductwork / Insulation

T17C	Cigarette Test for Furniture Fabrics	205.00	225.50
T17D	Match Flame Equivalent Test for Upholstery Fabrics	205.00	225.50
T17DC	Crib tests (4 - 7) single mock up crib	495.00	544.50
T17DD	Crib Test (4 - 7) per 2 complete assembled seats	975.00	1072.50
T18A	AS1530.2 Flammability of Materials	578.00	635.80
T18B	AS/NZS1530.3 Early Fire Hazard Properties	1087.00	1195.70
T18BG	AS/NZS 1530.3 Guidance Test for Early Fire Hazard (2 specimens)	453.00	498.30
T18D	UL 181 burn test (ducting)	595.00	654.50
T19A	Flame Propagation - Plastics	1864.00	2050.40
T45A	Methenamine Pill Method	144.00	158.40
T45B	Hot Nut Test for Carpets or Underlay	164.00	180.40
T45C	Critical Heat Flux (AS/ISO 9239.1, ISO 9239.1)	629.00	691.90
T45CG	Critical Heat Flux (AS/ISO 9239.1, ISO 9239.1) guidance test (2 specimens)	265.00	291.50
T45G	Cone Calorimeter (AS/NZS 3837, ISO 5660)	1361.00	1497.10
T45GG	Cone Calorimeter (AS/NZS 3837, ISO 5660) guidance test (1 specimen)	454.00	499.40

#### Transport

T17A	Vertical Flammability Test, aircraft (FTMS 191-5903, FAR 25.853)	200.00	220.00
T17AK	Kerosene Burn test, aircraft cushions (FAR 25.853 Appendix F)	2305.00	2535.50
T17B	Horizontal Flammability Test, automotive (eg MVSS 302)	374.00	411.40

## FEES APPLICABLE TO CARPET TESTING

F26A	VOC	1813.00	1994.30
T31	Extractable Matter - Pile Yarn	139.00	152.90
T32	Surface Pile Mass (pile above substrate) - standard atmosphere	130.00	143.00
T33A	Total Thickness	66.00	72.60
T33B	Pile Thickness - with surface pile mass	64.00	70.40
T33D	Pile Thickness - as separate test	95.00	104.50
T34	Tuft Withdrawal Force - each type	119.00	130.90
T35A2	Colourfastness to Light - Xenon Arc Method	175.00	192.50
T37A	Insect Resistance (IR) Agent	219.00	240.90
T39	Electrostatic Propensity Stroll - one sole	487.00	535.70
T39B	Surface Resistance – Gigaohm	110.00	121.00
T39C	Bulk Resistance - Gigaohm	110.00	121.00
T40A	Tufts per Unit Area	73.00	80.30
T40B	Total Mass per Unit Area	94.00	103.40
T44AG	Dynamic Loading (ACCS Method) - WIRA	97.00	106.70
T44D2	Appearance Retention - Hexapod Tumbler Method (2000 and 8000 cycles)	180.00	198.00
T44E	Pilling & Fuzzing - Usometer	229.00	251.90
T45C	Critical Heat Flux (AS/ISO 9239.1)	629.00	691.90
T52B	Colourfastness to Rubbing - Carpet	64.00	70.40
T57	Abrasion Resistance- WIRA Method - 20,000 cycles	130.00	143.00
T58	Bond Strength	141.00	155.10
T59A	Dimensional Stability - Mechanical Forces	176.00	193.60
T59B	Dimensional Stability - Ambient Humidity	134.00	147.40
T59C	Dimensional Stability - Heat & Water	196.00	215.60
T62B	Static Loading - Long Term (AS Method)	131.00	144.10
T62BG	Static Loading - Long Term (ACCS Method)	97.00	106.70
T86	Soiling Propensity	213.00	234.30
T86D	Stain Resistance	200.00	220.00
P003	<b>ACCS Performance Update Package</b>	419.00	460.90
P007	<b>ACCS Carpet Package – Full</b>	691.00	760.10

### **Hospital & Healthcare Carpet Program**

A full package of tests is available specifically for evaluation of carpets for healthcare facilities. Please enquire with our technologists for details to suit your requirements.

## FEES APPLICABLE TO FIBRE TESTING

F01C	Fibre Diameter - Airflow (Wool Top Sliver)	69.00	75.90
F01L	Fibre Diameter - Laserscan (Wool Top Sliver)	35.00	38.50
F02	Fibre Diameter - Projection Microscope	227.00	249.70
F03	Moisture Regain	84.00	92.40
F05	Fibre Length - Single Fibre Length - Scoured Wool	346.00	380.60
F06	Fibre Length- Almeter Test - Wool Top Sliver	89.00	97.90
F11	Alkali Solubility of Wool	271.00	298.10
F16	Sliver Evenness	125.00	137.50
F18A	Neps in Wool top sliver	95.00	104.50
F18B	Vegetable Matter in Wool top sliver	95.00	104.50
F18C	Dark Fibre in Wool Top - IWTO 24 - not suitable for Open Top	95.00	104.50
F26D	APEO Testing	340.00	374.00

## FEES APPLICABLE TO FABRIC TESTING

F12	pH of Extract	112.00	123.20
F17A	Fibre Identification - Qualitative	67.00	73.70
F17B	Analysis of Fibres - 1 Fibre	173.00	190.30
F17B2	Analysis of Fibres – 2 Fibres	235.00	258.50
F17B3	Analysis of Fibres – 3 Fibres	408.00	448.80
F19	Melting Point of fibres	190.00	209.00
F20	Fluidity of Cellulosic Fibres	310.00	341.00
F26	Free Formaldehyde Content	375.00	412.50
F26_2	Free Formaldehyde Content - subsequent samples submitted at same time)	197.00	216.70
F26C	Azo Dyes	201.00	221.10
F27	Soluble Chromium Content of Wool	144.00	158.40
F28	Comfortmeter	89.00	97.90
F29	Handlemeter	197.00	216.70
T01B	Linear Density from yarns from Woven Fabrics (warp and weft)	223.00	245.30
T01C	Linear Density of Yarns from Knitted Fabrics	223.00	245.30
T06	Mace Snagging	161.00	177.10
T07A	Pilling Resistance - ICI Pill Box Method	131.00	144.10
T07B	Pilling Resistance - Martindale Method	75.00	82.50
T07C	Pilling Resistance - Random Tumble Method	136.00	149.60
T08A	Mass per Unit Area	85.00	93.50
T08B	Fabric Width	57.00	62.70
T09	Threads per Unit Length - (both directions)	84.00	92.40
T10	Fabric Thickness	89.00	97.90
T11A	Breaking Load - Ravelled Strip	141.00	155.10
T11B	Breaking Load – Grab Test	131.00	144.10
T11FA	Breaking Force - Webbing (As Received and After UV Exposure)	1298.00	1427.80
T12B	Stretch and Recovery	206.00	226.60
T13A	Yarn Slippage - standard Seam / Constant Load	166.00	182.60
T13B	Seam Strength	151.00	166.10
T13C	Seam Slippage Resistance	163.00	179.30
T13D	Seam Fatigue	271.00	298.10
T14	Bursting Pressure - Mullen - (Knits and non-woven fabrics)	114.00	125.40
T14B	Bursting Force Ball	141.00	155.10
T15A	Tearing - Wing Rip Method	136.00	149.60
T15C	Tearing - Tongue	150.00	165.00
T15E	Tearing - Elmendorf	133.00	146.30
T20A	Abrasion Test - Martindale Method - up to 30,000 cycles	144.00	158.40
T20AX	- additional charge per 20,000 cycles over 30,000	57.00	62.70
T20B	Abrasion Flex - Stoll	133.00	146.30
T20C	Abrasion Flat - Stoll	133.00	146.30
T20F	Taber Abrasion or Snagging	412.00	453.20
T20FA	Taber Abrasion - Short Term	214.00	235.40
T20W	Abrasion Test- Wyzenbeek (50,000 cycles)	177.00	194.70
T21	Courses and Wales - Knitted Fabric	101.00	111.10
T23B	Dimensional Change - Relaxation	131.00	144.10
T23EC	Dry Cleaning - Commercial	89.00	97.90
T24A	Dimensional Change- Machine Washability	119.00	130.90
T24X	Washing - each additional stage	18.00	19.80
T28	Air Permeability	161.00	177.10
T29A	Water Penetration - Cone	92.00	101.20
T29B	Hydrostatic Head	163.00	179.30
T29C	Water Repellency - Spray	131.00	144.10
T29D	Oil Repellency	127.00	139.70
T35A1	Colourfastness to Light - Xenon Arc Method	175.00	192.50
T35B	Colourfastness to Light - MBTF Method	141.00	155.10

### FEES APPLICABLE TO FABRIC TESTING (CONTINUED)

T36	Colourfastness to Washing	85.00	93.50
T37A	Insect Resistance (IR) Agent	219.00	240.90
T39B	Surface Resistance – Gigaohm	110.00	121.00
T50	Colourfastness to Water	75.00	82.50
T51A	Colourfastness to Perspiration - Acid	75.00	82.50
T51B	Colourfastness to Perspiration - Alkaline	75.00	82.50
T52A	Colourfastness to Rubbing - Fabric	64.00	70.40
T53	Colourfastness to Dry Cleaning Solvents	95.00	104.50
T54	Colourfastness to Sea Water	97.00	106.70
T55	Colourfastness to Chlorinated Water	126.00	138.60
T55B	Colourfastness to Chlorine Bleaching	126.00	138.60
T56	Colourfastness to Shampoo Solution	84.00	92.40

### FEES APPLICABLE TO DUCTWORK TESTING (AS 4254.1)

T18B	AS/NZS1530.3 Early Fire Hazard Properties	1087.00	1195.70
T18D	UL 181 burn test (ducting)	595.00	654.50
T18E	Mould Growth and Humidity	840.00	924.00
T18F	Temperature	411.00	452.10
T18G	Puncture	82.00	90.20
T18H	Static Load	155.00	170.50
T18I	Impact	153.00	168.30
T18J	Pressure	421.00	463.10
T18K	Collapse	421.00	463.10
T18L	Tension	155.00	170.50
T19FD	Thermal Resistance	1578.00	1735.80

### FEES APPLICABLE TO GEOTEXTILE TESTING

T08AG	Mass per Unit Area of Fabric (AS 3706.1)	126.00	138.60
T08B	Width of Fabric (AS 2001.2.12)	57.00	62.70
T10	Method of measurement of Textiles Fabrics – Thickness	89.00	97.90
T11AG	Breaking Force - Before and After Weathering	POA	
T11BG	Breaking Force and Extension of Textile Fabric (AS 2001.2.3)	175.00	192.50
T11E	Tensile Properties - wide strip method (AS 3706.2)	175.00	192.50
T13B	Seam Strength (AS 3706.6)	151.00	166.10
T14D	Puncture Resistance - drop cone method (AS 3706.5)	194.00	213.40
T14P	Burst Strength - CBR plunger method (AS 3706.4)	160.00	176.00
T15D	Tearing Strength -trapezoidal method (AS 3706.3)	150.00	165.00
T29P	Permittivity (AS 3706.9)	712.00	783.20
T29PS	Pore Size Distribution - dry sieving method (AS 3706.7)	908.00	998.80

### FEES APPLICABLE TO LEATHER TESTING

F27	Soluble Chromium	144.00	158.40
T11L	Breaking Force - Leather	131.00	144.10
T15L	Tear Strength	150.00	165.00
T17C	Cigarette Test for Furniture Fabrics	205.00	225.50
T17D	Match Flame Equivalent Test for Upholstery Fabrics	205.00	225.50
T17DC	Crib tests (4 - 7) single mock up crib	495.00	544.50
T17DD	Crib Test (4 - 7) per 2 complete assembled seats	975.00	1072.50
T52L1	Velsic Rub Fastness EN ISO 11641 (Dry/Wet)	98.00	107.80
T52L2	Velsic Rub Fastness EN ISO 11640 (Perspiration)	98.00	107.80
T90D	Flex Cracking Resistance	161.00	177.10
T90L	Flexing Endurance	249.00	273.90

**FEES APPLICABLE TO HEALTH CARE - DISPOSABLE OR RE-USUABLE PERSONAL PROTECTION EQUIPMENT (PPE) TESTING (ANSI/AAMI PB70:2012 Level 1 - 3)**

T29B	Hydrostatic Head	163.00	179.30
T29C1	Water Resistance - Impact Penetration	131.00	144.10

**FEES APPLICABLE TO HEALTH CARE - WOVEN FABRICS (POLYESTER/COTTON) TESTING**

T07BW	Pilling after Wash	121.00	133.10
T08A	Mass per Unit Area	85.00	93.50
T09	Threads per Unit Length	84.00	92.40
T09W	Weave Analysis	84.00	92.40
T11A	Breaking Force	141.00	155.10
T24A	Dimensional Change	119.00	130.90
T35B	Colourfastness to Light	141.00	155.10
T36	Colourfastness to Washing	85.00	93.50
T50	Colourfastness to Water	75.00	82.50
T51A	Colourfastness to Perspiration - Acid	75.00	82.50
T51B	Colourfastness to Perspiration - Alkaline	75.00	82.50
T52A	Colourfastness to Rubbing	64.00	70.40

**FEES APPLICABLE TO HEALTH CARE - WOVEN FABRICS (TERRY) (AS 3789.6) TESTING**

F20	Fluidity	310.00	341.00
T08A	Mass per Unit Area	85.00	93.50
T09	Threads per Unit Length	84.00	92.40
T09P	Pile Ratio	84.00	92.40
T11A	Breaking Force	141.00	155.10
T24A	Dimensional Change	119.00	130.90
T35B	Colourfastness to Light	141.00	155.10
T36	Colourfastness to Washing	85.00	93.50
T50	Colourfastness to Water	75.00	82.50
T51A	Colourfastness to Perspiration - Acid	75.00	82.50
T51B	Colourfastness to Perspiration - Alkaline	75.00	82.50
T52A	Colourfastness to Rubbing	64.00	70.40

**FEES APPLICABLE TO SAFETY/HIGH VISIBILITY GARMENT (AS/NZS 4602.1) TESTING**

T28A	UPF Factor	240.00	264.00
T28F	Fluorescent Colour Measurement	175.00	192.50
T28FD	Fluorescent Colour Measurement Durability	283.00	311.30
T28G	Garment Evaluation	222.00	244.20
T28H	Non Fluorescent Colour Measurement	128.00	140.80
T35B	Colourfastness to Light - MBTF	141.00	155.10
T36	Colourfastness to Washing	85.00	93.50
T51A	Colourfastness to Perspiration - Acid	75.00	82.50
T51B	Colourfastness to Perspiration - Alkaline	75.00	82.50
P025	AS/NZS 1906.4 Class R, all test package (tape)	1176.00	1293.60
P027	Hi Vis Fabric Package	693.00	762.30

### FEES APPLICABLE TO RETROREFLECTIVE MATERIALS (AS/NZS 1906.1/1906.4) TESTING

T26A	CIL at all angles	175.00	192.50
T26B	CIL after UV	288.00	316.80
T26C	CIL after washing	285.00	313.50
T26D	CIL after Abrasion	212.00	233.20
T26E	CIL after Temperature	212.00	233.20
T26F	CIL During Rainfall	212.00	233.20
P025	AS/NZS 1906.4 Class R, all test package (tape)	1176.00	1293.60
P026	AS/NZS 1906.4 Class RF, all test package (tape)	1302.00	1432.20
T26G	Retroreflectance of Horizontal Coatings	271.00	298.10

### FEES APPLICABLE TO SARKING MATERIALS (AS/NZS 4200.1) TESTING

T11P	Breaking Force	141.00	155.10
T14B	Bursting Force – Ball Burst	141.00	155.10
T15P	Edge Tear Resistance	150.00	165.00
T18A	Flammability of Materials - AS1530.2	578.00	635.80
T29ES	Water Vapour Transmission	181.00	199.10
T94A	Resistance to Dry Delamination	183.00	201.30
T94B	Resistance to Wet Delamination	183.00	201.30
T94C	Shrinkage	822.00	904.20
T94D	Resistance to Water Penetration	180.00	198.00
T94E	Emmittance (per face)	398.00	437.80
T94F	Water Absorbency	183.00	201.30
T94H	Surface Corrosion and Wet Delamination	841.00	925.10

### FEES APPLICABLE TO UNDERLAY TESTING

T81A	Thickness	58.00	63.80
T81B	Mass per Unit Area	97.00	106.70
T81J	Breaking Load/Extension at Break	128.00	140.80
T81K	Static Loading	97.00	106.70
T81L	Dynamic Loading	97.00	106.70
T81M	Work of Compression	227.00	249.70
P041	Synthetic Underlay Package	729.00	801.90

### FEES APPLICABLE TO YARN TESTING

T01A	Linear Density of Yarns from Packages	89.00	97.90
T02A	Twist - Singles	151.00	166.10
T02B	Twist - Folded	112.00	123.20
T03B	Yarn Breaking Load - Instron Method	173.00	190.30
T04	Yarn Unevenness	124.00	136.40

### FEES APPLICABLE TO LAUNDRY SWATCH EVALUATION

T99A	EMPA #105 Soiled Test Swatch Purchase	77.00	84.70
T99B	EMPA 105 - Colour Evaluation	96.00	105.60
T99D	Total Damage Evaluation	133.00	146.30
T99E	Chemical Damage Evaluation	294.00	323.40
T99F	EMPA 224 - Colour Evaluation	114.00	125.40
T99G	Ash Content	142.00	156.20

### FEES APPLICABLE TO THERMAL TESTING

T19DN	Sweating Guarded Hot Plate - Dry	534.00	587.40
T19WN	Sweating Guarded Hot Plate - Wet	572.00	629.20
T19F	Insulation, R value formed shapes/reflective (ASTM C518)	933.00	1026.30
T19F10	Insulation, R value formed shapes/reflective (AS/NZS 4859.1/ASTM C518)	2219.00	2440.90
T19H	Insulation, R value low density fibrous (AS 4254.1 / ASTM C653)	2219.00	2440.90

### FEES APPLICABLE TO WEATHERING / EXPOSURE TESTING

T14G	Gravelometer	327.00	359.70
T35Q	QUV - per hour	8.00	8.80
T35Z	Xenon Arc Weathering (price depends on exposure period)		
	Townsville Exposure	POA	
T84	Fogging	338.00	371.80
T87	Hydrogen Sulphide Staining	187.00	205.70
T89A	Oven Ageing - 1 Week	189.00	207.90
T89B	Oven Ageing - 2 Weeks	378.00	415.80
T89D	Oven Ageing - 3 Weeks	563.00	619.30
T89C	Oven Ageing - 4 Weeks	755.00	830.50
T89E	Environmental Chamber - Less than 1 week - per day	683.00	751.30
T89Q	Salt Fog - per hour	8.00	8.80

### TECHNICAL INVESTIGATIONS AND CONSULTATIONS

Senior Management and/or Expert Witness	504.00	554.40
Management and/or Professional Staff	292.00	321.20
Laboratory Technicians	182.00	200.20

**NOTE: Please contact us if your testing requirements are not listed in this document, we are more than happy to discuss these with you.**

### CONTACT LIST

		Telephone	Email
DIVISIONAL MANAGER	Sean Bassett	(03) 9371 2421	<a href="mailto:sean.bassett@awta.com.au">sean.bassett@awta.com.au</a>
CUSTOMER RELATIONS MANAGER	Chris Campbell	(03) 9371 2424	<a href="mailto:chris.campbell@awta.com.au">chris.campbell@awta.com.au</a>
PRODUCT TECHNOLOGIST	Fiona McDonald	(03) 9371 2411	<a href="mailto:fiona.mcdonald@awta.com.au">fiona.mcdonald@awta.com.au</a>
CLIENT LIAISON OFFICER	Lisa Maides	(03) 9371 2423	<a href="mailto:lisa.maides@awta.com.au">lisa.maides@awta.com.au</a>
LABORATORY CONTROLLER	Simone Sabatino	(03) 9371 2410	<a href="mailto:simone.sabatino@awta.com.au">simone.sabatino@awta.com.au</a>
ADMINISTRATION ENQUIRIES	Pauline Dudman	(03) 9371 2400	<a href="mailto:pauline.dudman@awta.com.au">pauline.dudman@awta.com.au</a>