

NZWTA TEXTILE TESTING Price List Valid from 01 July 2011

Carpet Tests	Test Method	Minimum Sample Size	All Fees (excl. GST)
ACCS Full Test Package (8 tests)		1 x 1.5 m	\$745.00
Castor Chair Test (Baumberg Rollstuhl)	ISO TR 4918, BS DIN EN 985	1m ² or min. 3 tiles	POA
Cold Water Staining	WNZ/WS 256	0.25 x 0.25 m	\$72.00
Delamination	WNZ/IWS 264, AS/NZS 2111.16	0.6 x 0.6 m	\$155.00
Dimensional Stability			
- Mechanical Action	WNZ/WS 128	0.6 m x 0.6 m	\$160.00
- to heat	BS 4682 Pt 3	1 m ²	\$155.00
- to humidity	BS 4682 Pt 2	1 m ²	\$155.00
- to water	BS 4682 Pt 4	1 m ²	\$155.00
- to heat and water - combined	ISO 2551, BSEN 986	1 m ²	\$220.00
Dynamic Loading	WNZ/IWS 124, BS ISO 2094	0.5 x 0.5 m	\$139.00
Electrical Resistance	AS 2834	1.2 m ²	
- bulk			\$113.00
- surface			\$113.00
- combined			\$196.00
Extractable Matter from Carpet Pile (various solvents available)	WNZ/IWS 136, AS 2001.3.4	0.2 x 0.2 m or 80g of fibre	\$139.00
Fibre Loss – Tetrapod	IWS 237	0.5 x 0.5 m	\$72.00
Fuzzing & Pilling (Usometer)	WNZ/IWS	0.5 x 0.5 m	\$118.00
Hexapod 1500, 8000	WNZ/IWS 247/251	0.5 x 0.5 m	\$200.00
Hot Water Texture Change	WNZ/IWS 257	0.25 x 0.25 m	\$72.00
Mass/Area Pile (by Dissection)	AS/NZS 2111.11, WNZ/IWS 21	0.5 x 0.5 m	\$175.00
Mass/Area (Shorn Pile Weight)	WNZ/IWS 234, AS/NZS 2111.4	1 x 1 m++	\$155.00
Pile Height	WNZ/IWS 20	1 x 1 m++	\$82.00
Pile Thickness	WNZ/IWS 142, AS/NZS 2111.5, ISO 1766	1 x 1 m++	\$82.00
Soiling Propensity	WNZ/IWS 267	0.5 x 0.5 m	POA
Staining Propensity	WNZ 282, AATCC 175	1.5 m ²	\$315.00
Static General Stroll Test – AATCC	AATCC 134 per shoe type	1.5 m ²	POA
Static Generation – ISO	ISO 6356 per shoe type	2 x 1 m	POA
Static Loading (Short Term)	ISO 3415, WNZ 124-A	0.5 x 0.5 m	\$129.00
Static Loading (Long Term)	ISO 3416, WNZ 124-B	0.5 x 0.5 m	\$149.00
Stripes/Streaks – detailed examination		Sufficient to show the fault	POA
Thermal Resistance (togmeter)	WNZ/IWS 260 (based on BS 4745)	1 m ² (3 x 340 mm circles)	POA
Tuft Bind	WNZ/IWS 202, AS/NZS 2111.15	0.5 x 0.5 m	\$113.00
Tufts/10cm	WNZ/IWS 140, AS/NZS 2111.9	1 x 1 m++	\$82.00
Underlay Package (7 tests)	AS 4288, BS 5808	1.5 m ²	\$600.00
Underlays			
- Cracking	AS 4288, BS 5808	0.1 x 0.1 m	\$62.00
- Total Thickness	AS 4288, BS 5808	0.3 x 0.3 m	\$67.00
- Dynamic Loading	AS 4288, BS 5808	0.5 x 0.5 m	\$139.00
- Static Loading	AS 4288, BS 5808	0.5 x 0.5 m	\$145.00
- Tensile Strength	AS 4288, BS 5808	0.5 x 0.5 m	\$139.00
- Work of Compression – Before	AS 4288, BS 5808	0.5 x 0.5 m	\$134.00
- Work of Compression – After	AS 4288, BS 5808	0.5 x 0.5 m	\$134.00
Weight Loss (Abrasion)	WNZ 283, BS EN 1813, ISO/FDIS 12951-2	0.25 x 0.25 m	\$160.00
WIRA Abrasion up to 20,000 rubs	WNZ/IWS 122	0.25 x 0.25 m	\$113.00
- each additional 10,000 rubs	WNZ/IWS 122	0.25 x 0.25 m	\$72.00
Chemical Tests			
Alkali Solubility	IWTO-4	20 g	\$180.00
Insect-resist Agent (Permethrin)	CAMO-02	10 g or 0.2 x 0.2 m	POA
Insect-resist Agent (Bifenthrin)	CAMO-02	10 g or 0.2 x 0.2 m	POA
(other agents by arrangement)			POA
pH	IWTO-2	20 g	\$35.80
Urea Bisulphate Solubility	IWTO-11	20 g	\$124.00
Insect Bioassays	Various Species		POA

Fabric Tests

Abrasion Resistance to 20,000 cycles	WNZ/IWS 112, AS 2001.2.25,	0.2 x 0.2 m	\$175.00
- each additional 20,000 cycles or parts thereof	BS EN ISO 12947, ASTM 4966		\$140.00
Air Permeability	BS EN ISO 9237	0.25 m ²	\$129.00
Crease Recovery	BS EN 22313 AATCC 128, ISO 9867	0.25 m ²	\$119.00
Drape, bending length	BS 5058, BS3356, AS 2001.2.9	0.25 m ²	\$134.00
Dry Cleaning Shrinkage (3 cycles)	AS 2001.5.7	Knitwear double sided 0.4 x 0.4 m Fabrics 0.5 x 0.5 m	\$72.00
- extra cycles are additional cost			
Electrical Resistance of Fabric	BS 6524, BS 2050 EN 1149 – washes extra	1 m ²	POA
Ends and Picks (Courses and Wales)	BS EN 1049-2, AS 2001.2.5 ISO 7211-2	0.25 m ²	\$160.00
Extractable Matter from Fabric	WNZ/IWS 136, AS 2001.3.4	20 g	\$140.00
Fast test		1 m	POA
Flex test	AS 4878.9, ISO 7854, AS 1441.6 (200,000 cycles)	0.2 x 0.2 m	\$170.00
Garment Damage			
- Verbal			\$70.00
- Written comment on results			\$170.00
- Written plus one test report result	(extra tests charged per test)		\$230.00
Hydrostatic Head	BS 2823, AS 2001.2.17	0.5 m ²	\$268.00
Hygral Expansion	IWTO 50-05	0.25 m ²	\$88.00
Linear Density of Yarn from Fabric	BS 2865, ISO 7211-5	0.25 m ²	\$160.00
Loop Slippage	WRONZ TM	0.5 m ²	\$72.00
Mass/Unit Area	AS 2001.2.13, BS 2471, WNZ/WS 13	0.25 m ²	\$93.00
Moisture Vapour Permeability	AS 2001.2.24	0.25 m ²	\$185.00
Non-Recoverable Extension (Fabric and Blankets)	IWS 179, IWS 248 BS 4294, BS 4952	0.25 m ²	\$134.00
Pilling (Atlas)	ASTM D3512	0.4 x 0.4 m	\$139.00
Piling (ICI)	WNZ/WS 152, BS 5811, ISO 12945.1	0.4 x 0.4 m	\$175.00
Pilling (Martindale)	WNZ/IWS 196	0.4 x 0.4 m	\$105.00
Piling (Swiss Test) – (after washing extra charge)	SN 198525, ISO 12945.2	0.4 x 0.4 m	\$150.00
Resistance to Penetration by Liquids (per chemical)	BS EN 368	0.5 x 0.5 m	\$335.00
Seam Slippage or Strength	AS 2001.2.22, WNZ/IWS 117, BS 3320, AS 201.2.20, ISO 13935	1 m ²	\$155.00
Shrinkage (Relaxation)	AS 2001.5.4, BS EN ISO 6330, WNZ/IWS 31	Knitwear double sided 0.4 x 0.4 m Fabrics 0.5 x 0.5 m	\$88.00
Shrinkage (Felting & Relaxation)	AS 2001.5.4, BS EN ISO 6330, WNZ/IWS 31 – 3-5 cycles	Knitwear double sided 0.4 x 0.4 m Fabrics 0.5 x 0.5 m	\$160.00
Slide Fastener Strength (zips)			
- Puller Attachment	BS 3084, AS 2332	At least 10 zips	\$82.00
- Lateral Strength	BS 3084, AS 2332	At least 10 zips	\$82.00
- Top Stitch	BS 3084, AS 2332	At least 10 zips	\$82.00
- Closed End	BS 3084, AS 2332	At least 10 zips	\$82.00
- Slider Locking	BS 3084, AS 2332	At least 10 zips	\$82.00
- Durability (opening & closing 500 cycles)	WRONZ TM	At least 10 zips	\$82.00
Spirality (before/after steam)	BS 2819, ISO 16322.1	0.25 m ²	\$82.00
Strength (Burst)	AS 2001.2.4, WNZ/IWS 29, BS EN ISO 13938-1	0.4 x 0.4 m	\$82.00
Strength (Tensile)	AS 2001.2.3, WNZ/WS 4, BS EN ISO 13934, ISO 5081	1 m ²	\$139.00
Strength (Tear)	WNZ/IWS 172, AS 2001.2.10, ISO 4674, ISO 13937,2,3,4	1 m ²	\$139.00
Thickness of Fabric	ISO 5084, AS 2001.2.15	0.25 m ²	\$88.00
Thermal Resistance (Togmeter, sample <25 mm)	WNZ 260	3 x 340 mm diameter circles	POA
	ISO 11092	3 x 500 mm diameter circles	POA
Tumble Drying (If done separately)			\$41.00
Washing Charge (1 wash)			\$41.00
Water Penetration	AS 2001.2.18	0.5 x 0.5 m	\$88.00
Water and Oil Repellency (Droplet Test)	WNZ/IWS 258, AATCC 118	0.25 m ²	\$88.00
Water Repellency (Drop Test)	WNZ/IWS 258	0.25 m ²	\$72.00
Water Repellency (WIRA Shower, Spray Test)	BS 5066, AS 2001.2.16 AATCC22, ISO 4920	0.25 m ²	\$180.00
Yarn Crimp from Fabric	BS 2863, ISO 7211-3	0.25 m ²	\$160.00
Yarn Twist from Fabric	BS 2864, ISO 7211-4	0.25 m ²	\$185.00

Fastness Tests

Chlorine Bleaching, Colour Fastness Washing with Bleach	AS 2001.4.11, BS EN 20105-N01, AS 2001.4.15	0.2 x 0.2 m+	\$120.00
- additional			\$108.00
Chlorinated Water	AS 2001.4.5, ISO 105-E03	0.2 x 0.2 m+	\$120.00
- additional			\$108.00
Colour Fastness to Light (Xenon Arc) incl. first fade	WNZ/IWS 133, ISO 105-B02	0.4 x 0.4 m+	\$180.00
- additional			\$120.00
Dry Cleaning - per solvent	AS 2001.4.16	0.2 x 0.2 m+	\$103.00
High Visibility Garments – Includes colour, colour fastness to light, perspiration, washed	AS/NZS 1906.4	0.5 x 0.5 m	POA
Perspiration (per test - acid or alkaline)	AS 2001.4.17, WNZ/IWS 174, 175, ISO 105-E04	0.2 x 0.2 m+	\$88.00
Photobleaching	WRONZ TM		\$155.00
Rubbing	WNZ/IWS 165, 232, AS/NZS 2111.19.1	0.4 x 0.4 m+	\$72.00
Sea Water	AS 2001.4.E02, ISO 105-E02	0.2 x 0.2 m+	\$115.00
Shampooing	AS/NZS 2111.19.2, WNZ/WS 233	0.4 x 0.4 m+	\$93.00
Washing	WNZ/IWS 193, 250, ISO 105-C06	0.2 x 0.2 m+	\$82.00
Water	WNZ/IWS 6, AS 2001.4.E01	0.2 x 0.2 m+	\$82.00
+ if multicoloured, enough to test all colours			

Flammability Tests

Children's Nightwear	AS/NZS 1249	1.5 m	Price as applicable to each category
(includes ISO 6941, 10047 & washing)			
Children's Nightwear (new regulations)	AS/NZS 1249		\$135.00
Cigarette and Match Test	NZS 8709 Pt 1 (Domestic), IMO A652(16), BS 5852-1	1 m	\$200.00
Cone Calorimeter	AS/NZS 3837, ISO 5660	0.5 m ²	POA
Conform to Size of Flammable Nightwear	AS/NZS 1249, AS/NZ 4602	1 Garment	\$95.00
Ease of Ignition	AS 2755.1, BS EN ISO 6940	0.5 m	POA
Flame Spread Properties, Surface or Edge	ISO 6941, as 2755.2, Cal. T.B. 1/7 NFPA 701, BS EN ISO 15025	1.5 m	POA
Flammability of Materials	AS 1530.2	1.5 m	POA
Heat Transmission	TPP/Heat Transfer Index	0.5 m	POA
Hot Metal Nut Test	BS 4790	0.5 m ²	\$180.00
Larger Ignition Sources (per crib)	NZS 8709 Pt 2, BS 5852-2	1 m ²	\$275.00
Radiant Panel Test	ASTM E648	1.1 m ²	POA
Radiant Panel Test (Includes smoke Emission)	ISO 9239		POA
Surface Burning (one side)	AS 2755.3, ISO 10047	0.5 m	POA
Tablet Test (Pill Test)	ISO 6925, DOC FF1.70, AS/NZS 2111.18	0.5 m ²	\$149.00
Washing Charge for Flammability (2 cycles)			\$88.00

Aircraft Tests

Kerosene Burner	FAR 25.853(c)	3 m	POA
(sample preparation additional)			
- additional			POA
Vertical Flame Test - Report	FAR 25.853(a)	0.5 m	\$196.00
Other Vertical or Horizontal Tests			POA

Laundry & Drycleaning Tests

Drycleaning and Laundry Test Piece Programme	Per test piece		\$93.00
Washing Powder Tests			
- Single Wash	WRONZ TM	50 g	\$108.00
- Multiple Washes (per wash)	WRONZ TM	50 g	\$36.00
- Test Piece + Sebum (per piece)	WRONZ TM		\$93.00

Molten Metal Splash Index

Aluminium: Full Index	BS EN 373	2 m	POA
Aluminium: Indicative Only	BS EN 373	1 m	POA

Yarn Tests

Evenness (Uster)	ASTM D1425, IWTO 18	10 Bobbins	\$82.00
Extractable Matter from Yarn	IWS/WNZ 136, AS 2001.3.4	20 g	\$139.00
Fibre ID (quick test) - per component (qualitative)	WNZ/IWS 155, AS 2001.7	10 g	\$75.00
Fibre ID (chemical test) - 2 components (quantitative)	WNZ/IWS 155, AS 2001.7	20 g	\$180.00
Fibre ID (chemical test) - 3 components (quantitative)	WNZ/IWS 155, AS 2001.7	20 g	\$495.00
Friction	WRONZ TM	1 Cone	POA
Linear Density (yarn count from packages)	BS EN ISO 2060, AS 2001.2.23	10 Bobbins	\$134.00
Hairiness	Zweigle	10 Cones	POA
Strength & Extensibility - 2-Fold	ISO 2062, AS 2001.2.7	10 Bobbins	\$103.00
Strength & Extensibility – Singles	ISO 2062, AS 2001.2.7	10 Bobbins	\$160.00
Twist (folding)	BS EN ISO 2061, AS 2001.2.14	10 Bobbins	\$82.00
Twist (singles)	BS EN ISO 2061, AS 2001.2.14	10 Bobbins	\$150.00
Yarn Bulk	WRONZ TM	4 Cones	\$129.00
Yarn Set (per cycle)	WRONZ TM	1 Cone	\$108.00

Woolscour Effluent Analysis Tests

Dirt (as a separate determination)	WRONZ TM	50 ml	\$175.00
Dirt (part of total solids/grease)	WRONZ TM	50 ml	\$72.00
Suint and Dissolved Solids	WRONZ TM	50 ml	\$113.00
Suspended Solids	WRONZ TM	500 ml	\$108.00

Woolscour Effluent Analysis Tests Contd.

Top Grease	WRONZ TM	100 ml	\$113.00
Total Grease	WRONZ TM	50 ml	\$72.00
Total Solids	WRONZ TM	50 ml	\$72.00

Woolgrease

Typical Analysis (Includes Acid value, ashing, calcium, 1 hour volatiles and overnight volatiles tests).	WRONZ TM	40 g	\$350.00
2 hour Volatiles	WRONZ TM	40 g	\$72.00
1 hour Volatiles	WRONZ TM	40 g	\$82.00
Overnight Volatiles	WRONZ TM	40 g	\$82.00
Acid Value	WRONZ TM	40 g	\$62.00
Ashing of Woolgrease	WRONZ TM	40 g	\$82.00
Calcium	WRONZ TM	40 g	\$85.00
Peroxide Value	WRONZ TM	40 g	\$82.00

Woolpacks to Wools of New Zealand Standards

Bale Wrappers		1 Wrapper	\$565.00
Synthetic Packs (full tests)	AS/NZS 4546	1 Pack	\$740.00
Performance Specifications only	AS/NZS 4546	1 Pack	\$700.00

Additional Charges

1. Other standard tests not listed may be undertaken – charges are available on request.
2. Retests are charged as per original.
3. Urgent requests will be charged a surcharge of 30% whereby NZWTA will initiate testing immediately on receipt of the samples. This service time is dependent on the actual testing time.
4. Any freight costs incurred by NZWTA will be recharged and at cost.
5. Reissues will be charged at \$6.00 per report.