

ISO/IEC 17025 Certified Third Party Test Report

DATE ISSUED: January 24, 2020

FILE: MYCOWO.A011720A

DATE REVISED: January 31, 2020

MYCOWO.A012820A

CLIENT: MycoWorks
San Francisco, CA

SAMPLE IDENTIFIED BY CLIENT AS:

Fabric Submitted
Name: Reishi Brown Natural - High Strength

TEST PROCEDURES:

TEST RESULTS:

FABRIC WEIGHT
(ASTM D3776):

13.35 oz/sq yd average

COMMENT:

Three specimens tested.

THICKNESS OF LEATHER
SPECIMENS (ASTM D1813):

1.065 mm average

COMMENT:

Three specimens tested.

APPARENT DENSITY OF LEATHER
(ASTM D2346):

8.40 grams/cm³ average

COMMENT:

Three specimens tested.

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**TONGUE TEAR STRENGTH OF
LEATHER (ASTM D4704):**

- TEAR IN MACHINE DIRECTION:

Specimen	Thickness (mm)	Substrate Tear (kgf)	Force per Thickness (kgf/cm)	Maximum Load (kgf)	Max Load / Thickness (kgf/cm)
Average	1.004	6.17	61.45	7.34	73.17

- TEAR IN CROSS-MACHINE DIRECTION:

Specimen	Thickness (mm)	Substrate Tear (kgf)	Force per Thickness (kgf/cm)	Maximum Load (kgf)	Max Load / Thickness (kgf/cm)
Average	1.097	4.77	43.53	6.85	62.44

COMMENT: Three specimens tested in machine direction.
Four specimens tested in cross-machine direction.
Variation observed in performance of tested specimens.

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**TENSILE STRENGTH & ELONGATION OF LEATHER
(ASTM D2209 & ASTM D2211):**

SAMPLE MYCOWO.A011720A:

- MACHINE DIRECTION:

Specimen	Maximum Load (kgf)	Extension @ Max Load (mm)	Strain (Elong) @ Max Load (%)	Stress @ Max Load (MPa)	Thickness (mm)	Width (mm)	Area (mm ²)
Average	10.82	55.47	54.59	8.75	0.99	12.20	12.08

- CROSS-MACHINE DIRECTION:

Specimen	Maximum Load (kgf)	Extension @ Max Load (mm)	Strain (Elong) @ Max Load (%)	Stress @ Max Load (MPa)	Thickness (mm)	Width (mm)	Area (mm ²)
Average	11.75	81.43	80.15	9.34	1.02	12.07	12.35

COMMENT: Three specimens tested in each direction.
Variation observed in performance of tested specimens.

SAMPLE MYCOWO.A012820A:

- MACHINE DIRECTION:

Specimen	Maximum Load (kgf)	Extension @ Max Load (mm)	Strain (Elong) @ Max Load (%)	Stress @ Max Load (MPa)	Thickness (mm)	Width (mm)	Area (mm ²)
Average	20.18	43.89	43.20	12.51	1.311	12.1	15.8

- CROSS-MACHINE DIRECTION:

Specimen	Maximum Load (kgf)	Extension @ Max Load (mm)	Strain (Elong) @ Max Load (%)	Stress @ Max Load (MPa)	Thickness (mm)	Width (mm)	Area (mm ²)
Average	16.17	56.03	55.15	10.09	1.311	12.0	15.7

COMMENT: Three specimens tested in each direction.
Variation observed in performance of tested specimens.
Testing performed on sample under report file number MYOCOW.A012820A.

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SAMPLE IDENTIFIED BY CLIENT AS:

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ABRASION RESISTANCE OF
TEXTILE FABRICS, INFLATED
DIAPHRAGM METHOD (ASTM D3886),
1 LBS LOAD, 4 PSI AIR
PRESSURE, 1300 CYCLES:

FACE SIDE AS MARKED:

- SPECIMEN 1: No hole observed after 1300 cycles.
- SPECIMEN 2: No hole observed after 1300 cycles.
- SPECIMEN 3: No hole observed after 1300 cycles.

BALLY FLEX RESISTANCE
(ASTM D6182):

FACE SIDE AS MARKED,
AFTER 20,000 FLEXES:

MACHINE DIRECTION:

- SPECIMEN 1 : Rank 2
- SPECIMEN 2: Rank 1
- SPECIMEN 3: Rank 1

CROSS-MACHINE DIRECTION:

- SPECIMEN 1: Rank 2
- SPECIMEN 2: Rank 1
- SPECIMEN 3: Rank 1

FACE SIDE AS MARKED,
AFTER 50,000 FLEXES:

MACHINE DIRECTION:

- SPECIMEN 1: Rank 2
- SPECIMEN 2: Rank 1
- SPECIMEN 3: Rank 1

CROSS-MACHINE DIRECTION:

- SPECIMEN 1: Rank 2
- SPECIMEN 2: Rank 1
- SPECIMEN 3: Rank 1

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**BALLY FLEX RESISTANCE
(ASTM D6182):**

FACE SIDE AS MARKED,
AFTER 100,000 FLEXES:

MACHINE DIRECTION:

- SPECIMEN 1: Rank 4
- SPECIMEN 2: Rank 1
- SPECIMEN 3: Rank 1

CROSS-MACHINE DIRECTION:

- SPECIMEN 1: Rank 4
- SPECIMEN 2: Rank 1
- SPECIMEN 3: Rank 1

RANK OF DAMAGE:

Rank 1, No damage.
Rank 2, Discoloration or thin cracks in top finish coat only.
Rank 3, Cracks into base coats.
Rank 4, Cracks large enough to see leather substrate below.
Rank 5, Finish cracks and peels back or flakes off.

Signed For The Company By

Joseph Lin / PAA
Joseph Lin
Laboratory Manager

JG/01...JG/01...JG/01...JG/01



Stacy Sadowy
Stacy Sadowy
Quality Assurance Manager