


THE CASUAL OUTDOOR FURNITURE FABRIC ASSOCIATION (TCFFA)

TEST	METHOD	SAMPLE SIZE	PERFORMANCE TIME
GROUP A: WOVEN PVC, ACRYLIC, AND OLEFIN			
1. Tensile (Break) Strength	ASTM D 5034	18" x full width	5 – 7 days
2. Tear Strength	ASTM D 5587, ASTM D 2261	18" x full width	5 – 7 days
3. Seam Slippage	ASTM D 4034	18" x full width	5 – 7 days
4. Abrasion:			
(a) PVC: Taber 1,000 cycles	ASTM D 3884	12" x 12"	5 – 7 days
(b) Olefin: Wyzenbeek 9,000 DR	ASTM D 4157	18" x full width	5 – 7 days
(c) Acrylic: Wyzenbeek 15,000 DR	ASTM D 4157	18" x full width	5 – 7 days
5. Flammability:	(a) UFAC Fabric Classification	18" x 45"	5 – 7 days
	(b) CA TB 117 Section E	24" x 24"	5 – 7 days
6. Crocking	AATCC 8	14" x 14"	5 – 7 days
7. Bow & Skew	ASTM D 3882	36" x full width	5 – 7 days
8. Lightfastness:			
(a) PVC: 1,000 hours	ASTM G 154	16" x 16"	43 days
(b) Acrylic: 1,500 hours	ASTM G 154	16" x 16"	64 days
(c) Olefin: 1,200 hours	ASTM G 154	16" x 16"	50 days
GROUP B: PRINTS ON ACRYLIC, PRINT ON POLYESTER, SOLID COLOR POLYESTER CLOTHS			
1. Tensile (Break) Strength	ASTM D 5034	18" x full width	5 – 7 days
2. Tear Strength	ASTM D 2261	18" x full width	5 – 7 days
3. Seam Slippage	ASTM D 4034	18" x full width	5 – 7 days
4. Abrasion: Wyzenbeek	ASTM D 4157	18" x full width	5 – 7 days
5. Pilling	ASTM D 3511	18" x full width	5 – 7 days
6. Flammability:	(a) UFAC Fabric Classification	18" x 45"	5 – 7 days
	(b) CA TB 117 Section E	24" x 24"	5 – 7 days
7. Crocking	AATCC 8	14" x 14"	5 – 7 days
8. Spray Rating	AACC 22	36" x full width	5 – 7 days
9. Bow & Skew	ASTM D 3882	36" x full width	5 – 7 days
10. Lightfastness: 500 hours	ASTM G 154	16" x 16"	22 days

Sample Size: 5 yards for all of the tests required for Group A or Group B

DR = Double rubs