

ACT Voluntary Performance Pass for Upholstery

Guidelines for Flammability and four aspects of coated fabric durability —
Wet & Dry Crocking, Colorfastness to Light, Physical Properties, and Abrasion

FLAMMABILITY

California Technical Bulletin 117-2013 Section 1 PASS

WET & DRY CROCKING

AATCC 8 Dry Crocking, Grade 4 Minimum PASS

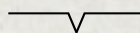
AATCC 8 Wet Crocking, Grade 4 Minimum PASS

COLORFASTNESS TO LIGHT

Coated Fabrics

AATCC 16 Option 1 Or 3 Grade 4 Minimum At 200 Hours* PASS

ASTM D4329 No Appreciable Color Change At 150 Hours* PASS



VON HOLZHAUSEN

★ PHYSICAL PROPERTIES

Adhesion of Coating

ASTM D751 Sections 45-48, 3 lbf/in minimum. **PASS**

Peel Adhesion is the measurement of the force required to separate the coatings from the substrate.

Tear Strength

ASTM D2261 (Tongue Tear) – Knits & Woven Substrates, 4 × 4 lbs. Or **PASS**

ASTM D751 Sections 27-31, 4 × 4 lbs. **PASS**

ASTM D5733 (Trap Tear) – Nonwoven Substrates & Nonwoven Composites, 15 × 15 lbs. Or **PASS**

ASTM D751 Sections 32-35, 15 × 15 lbs. **PASS**

Tear Strength is the measurement of stress exerted to rip the fabric under tension.

Breaking Strength

ASTM D751 (Grab Test) – 50 × 50 lbs. minimum. **PASS**

Breaking Strength is the measurement of force exerted to pull a fabric apart under tension.

Seam Strength

ASTM D751 (Tack Tear) – Woven Substrates, 25 × 25 lbs., Knit Substrates, 30 × 25 lbs.,

Nonwoven Substrates & Nonwoven Composites, 35 × 35 lbs. **PASS**

Seam Strength is the measurement of a fabric's resistance to tearing at needle punctures in a seam.

Flex Resistance

ASTM D2097 – 25,000 cycles, Visual evaluation for no appreciable surface crazing, cracking, whitening or delamination. **PASS**

Flex Resistance is the measurement of a fabric's ability to withstand repeated flexing.

Hydrolysis Resistance – Applicable to Polyurethanes Only

ISO 1419 (Tropical Test Method C), 5 weeks* Visual Evaluation for no cracking, peeling or delamination **PASS**

Hydrolysis Resistance is the evaluation of a polyurethane coated fabric's ability to withstand exposure to extended periods of heat and humidity.

**Note: There is no direct correlation of testing weeks to years of service in the field.*

Stretch & Set **PASS**

ACT has chosen not to establish a minimum requirement for this performance characteristic since the ability of a coated fabric to return to its initial state is strongly impacted by factors that are attributed to furniture construction and fabrication such as the density of foam. The SAE J855 test can be used to evaluate the stretch and set of a coated fabric; however, ACT suggests that you consult with both your fabric supplier and furniture manufacturer to determine if there are any potential issues.

