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Key Test: ASTM D 4329/ AATCC 16/ACT 150

Test Category: Light Fastness  
Specifier: ACT LE 2015; V 8/15  
PC: NA NTR 9/18 dl/SM

PRODUCT CATEGORY: Upholstery - Coated Fabrics

TEST SELECTED AND PERFORMED:

As cited by the ACT Voluntary Performance Guidelines (January 2015)

[x] ASTM D 4329 - Standard Practice for Fluorescent UV Exposure of Plastics

ASTM G 154 - Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials

Cycle C: 8 hours UV @ 50°C; 4 hours condensation @ 50°C; Lamp UVA 340, typical irradiance 0.77 W/m²/nm, approximate wave length 340 nm

[ ] AATCC Test Method 16 - Colorfastness to light:

[ ] Option 1: Carbon Arc, Continuous Light
[ ] Option 3: Water Cooled Xenon Arc Lamp, Continuous Light

TEST METHOD:  
[ ] AATCC 16  Grade 4 minimum at 200 hours [CODE 392]

ACCEPTANCE CRITERIA:

[x] ASTM D 4329  No appreciable color change at 150 hours [CODE 150]

RESULTS:

Number of Hours  Rating  
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150  4

REMARKS: None.

RATING SYSTEM:

Class 5 - No fading or color change  
Class 4 - Slight (not appreciable) fading or color change  
Class 3 - Noticeable (appreciable) fading or color change  
Class 2 - Considerable fading or color change  
Class 1 - Excessive fading or color change

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