

# Episode Panel Specifications



## **Fabric – All Fabric Colors**

**Breaking Strength (ASTM D5034)** - 275 lbf min. warp and fill

**Tear (ASTM D2261)** - 35 lbf min. warp and fill

**Seam Slippage (ASTM D4034)** - 50 lbf min. warp and fill

**Pilling resistance (ASTM D3511)** - Class 4 min.

**Colorfastness to light (AATCC 16.3 Option 3)** - Grade 4 min. at 40 hours

**Colorfastness to crocking (AATCC 8)** - Grade 4 min. dry & Grade 3 min. wet

**Colorfastness to water (AATCC 107)** - Class 3 min. for staining Class 4 min. for color change

**Wyzenbeek Abrasion resistance (ASTM D4157)** - 250,000 double rubs min. cotton duck

**Flammability** – CA Technical Bulletin 117-2013 Section 1 NFPA 260/UFAC Fabric Classification - Class I ASTM E84 Class I or A

## **Foam**

**Material** - Polyether Polyurethane Foam → Color, Charcoal

**Density (ASTM D3574)** – Value of 1.8 lb/cf with tolerance of +/- 0.18

**Tensile Strength (ASTM D3574)** – Value of 12.0 psi with minimum tolerance

**Elongation (ASTM D3574)** – Value of 140% with minimum tolerance

**Indentation Force Deflection 25% Deflection (ASTM D3574)** – Value of 30 lbs/ 0.5 square inch with minimum tolerance

**Indentation Force Deflection 65% Deflection (ASTM D3574)** – Value of 50 lbs/ 0.5 square inch with minimum tolerance

**Retention of Tensile strength after 5 hours, 120 °C, Steam Autoclave** – Value of 70% with minimum tolerance

**Retention of Tensile strength after 22 hours, 120 °C, Steam Autoclave** – Value of 70% with minimum tolerance

**Pores per inch** - 60-70 pores per inch

**Flammability** - MVSS302, UL-94 HF-1, Temperature Range is -45 F to 250 F, (-43 C to 126C) with Continuous Tolerance

### **Foam Compliance Features:**

-Meets the Requirements of RoHS through June 2013 Revision of SVHC (Restriction of Hazardous Substances European Union Directive – 2002/95/EC)

-Compliant with European Union REACH (Registration, Evaluation and Authorization of Chemical Substances - EC1907/2006)

**Happy Paneling!!!**

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