

## **Enduro® Shade Fabric Description**

Enduro® shade fabric is a fire retardant, vinyl impregnated polyester yarn, woven and heat set for stability. It is the highest quality and has the longest life of any shading product on the market. Seams are welded and centered. Panels are produced with a 2” webbing on all sides for edge reinforcement, using #2 3/8” brass spur grommets sewn into the fabric at 12” on center for easy application onto structure.

## **Enduro® Shade Lab Test Results**

### **Weather Resistance**

Accelerated weather tests have indicated that this material will withstand five years of continuous Florida sunshine with little fading or deterioration and on 80% retention of original tensile strength.

### **Temperature Tests**

Material samples have been subjected to a cold crack test over a 2.5 cm mandrel at -40° C., and have not cracked. The normal long term temperature endurance range is from -40° C. to 95° C. Short term exposure up to 135° C. is permissible providing fabrics are not subject to abrasion.

### **Chemical Resistance**

Material is immune to dilute acids and alkali, and may be washed in normal detergents and disinfectants.

### **Mildew Resistance**

The fabric has been tested by AATCC 30-1974, and was found to be non-susceptible to mildew attacks.

### **Flame Resistance**

Enduro® Shade is a registered flame resistance product meeting the minimum requirements of flame resistance established by the California State Fire Marshall for products identified in Section 13115, California Health and Safety Code. It has also been classified by the National Fire Protection Association, NFPA No. 101, “Life Safety Code”, Class “A” Rating.

## Specifications

	<b>63%</b>		<b>80%</b>	
	Warp	Fill	Warp	Fill
Breaking Strength (lbs.) – ASTM D 1682				
A. 1” Cut Strip Method	118.80	80.90	133.80	102.60
B. Grab Method	144.50	106.02	163.90	120.30
Bursting Strength – ASTM D 231				
A. Initial Burst (PSI)	210		256	
Flame Resistance – FS L-S-125B				
Ten Second Maximum Afterflame	.03 seconds		1.3 seconds	
Mesh Weight: oz/yd <sup>2</sup>	6.93		8.9	