

Why fiberglass over polyester?

Fiberglass

versus

Polyester

Dimensional Stability:

Characteristics

Fiberglass does not stretch, shrink or twist nor is it affected by extreme changes in temperature.

Results

The stability of fiberglass fabrics allow for even roll up of the shade material eliminating traveling from side to side, without the use of unsightly battens.

Characteristics

Polyester fabrics will stretch when exposed to solar heat.

Results

The stretching of the polyester fabric causes waves and buckling of the fabric which necessitates the use of battens in shades approximately 12 feet in height and above.

Yarn Count And Thickness:

Characteristics

Fiberglass fabrics use a much finer yarn than their polyester counterpart, resulting in more yarns per square inch.

Results

The greater the yarn count for a given openness factor, the better the outward view.

Characteristics

Polyester fabrics are made of wider diameter yarns, resulting in fewer yarns per square inch.

Results

Using the thicker polyester yarn causes the eye to focus on the yarn itself, thus diminishing the outside view.

PVC Coating:

Characteristics

The strength and stability of the fiberglass fabric results in the need for a thinner coating of PVC..

Results

The thinner coating results in a more uniformly stable and strong fabric, as the fabric's strength comes from its yarn.

Characteristics

The less stable polyester fabrics require a thicker coating of PVC.

Results

The thicker coating results in more instability and reduced strength of the fabric.