



Tenara[®]

ARCHITECTURAL FABRICS

Lights Brilliantly, Folds Beautifully, Lasts Ultimately

VG0181

<u>Material:</u>	Expanded PTFE (polytetrafluorethylene)	
<u>Weave Style:</u> (ASTM D1777)	Twill	330 g/m ² (9.75 oz/yd ²)
<u>Thickness:</u> (ASTM D4851)	0.36mm (0.14 in)	
<u>Strip Tensile:</u> (ASTM D4851)	Warp: 2250 N/5 cm (260 lb/in) Fill: 2150 N/5 cm (245 lb/in)	
<u>Trapezoidal Tear:</u> (ASTM D5587)	Warp: 347 N (78 lbs) Fill: 347 N (79 lbs)	
<u>Light Values:</u> ASTM 903 Avg. 450-650 nm	Transmission Reflection Absorption:	32% 67% 0-1%
<u>Flame propagation:</u> NFPA 701, small scale	Pass	
<u>Burning Characteristics:</u> ASTM E84	Flame Spread: Smoke Index:	0 0
<u>Ignitability:</u> BS 7837-96 BS5438, 2 B	Pass	
<u>Vertical Flame:</u> UL 94V	V-0	
<u>Limiting Oxygen Index: (LOI)</u>	> 95%	
<u>Flex Resistance:</u>	Virtually unlimited	
<u>UV Resistance:</u>	Unaffected by UV sunlight	
<u>Useful Temperature Range:</u>	-212°C to 260°C (-350°F to 500°)	
<u>Chemical Resistance:</u>	Resistant to all acids and alkaline solutions from 0-14 pH and all organic Solvents over the entire useful temperature range.	

