

**PERFORMANCE CHARACTERISTICS**  
**Acrylic Polyester Blended Material**

PROPERTY	TYPICAL RESULT	TEST
Tensile Strength	6000 psi	ASTM D - 638
Tensile Modulus	1.1 x 10 <sup>6</sup>	ASTM D - 638
Flexural Strength	7300 psi	ASTM D - 790
Flexural Modulus	1.6 x 10 <sup>6</sup>	ASTM D - 790
Tensile Elongation	0.527%	ASTM D - 638
Hardness - Barcol Impressor	60	ASTM D - 2583
Thermal Expansion	4.47 x 10 <sup>-5</sup> in/in/°F	ASTM D - 696
Impact Resistance	Passes	ANSI Z 124.3
Boiling Water Resistance	Passes	NEMALD3 - 3.5
Water Absorption (24hrs)	0.07%	ASTM D - 570
Abrasion Resistance	.24 gm	ASTM D - 4060 (wear loss/1000 cycles)
Wear & Cleanability	Passes	ANSI Z 124.3 & Z 124.6
Stain Resistance	Passes	ANSI Z 124.3 & Z 124.6
Chemical Resistance	Passes	ANSI Z 124.6
Fungi & Bacteria Resistance	No Effect	ASTM G 21
UV Stability	No Change 200 hrs	NEMA LD3 - 3.1
Flammability - Class Rating	Class 1 (A)	ASTM E - 84
Flame Spread	Class 1 (A) / <25	ASTM E - 84 / NFPA255 & UL723
Specific Gravity	1.7	ASTM D - 792