

Polyurethane Polyester Physical Properties:

- **Color** Charcoal Gray
- **Density** 2lb/cft or 4lb/cft +/- 10% 32 kg/m³ or 64 kg/m³ +/- 10% per ASTM D3574-86 test A
- **Tear Strength** 1.5 ppi per ASTM D3574-86 test F
- **Tensile Strength** 20 psi per ASTM D3574-86 test E
- **Elongation** 120% per ASTM D3574-86 test E
- **Compression Set % 50% Deflection** Max 10% ASTM D357-86 test D
- **Heat Resistance** retention of tensile strength after 22 hours dry heat aging at 140oC min. 70% ASTM D3574-86 test K
- **Humidity Resistance** retention of tensile strength after 6 hours steam autoclave at 105oC min. 70% ASTM D3574-86 test J
- **Chemical Resistance** good for common fluids, water, petroleum, solvents, and alkalis. Swelling will occur, will return to almost 100% after drying.
- **Flammability** MVSS 302, UL-94 HF1, and FAR 25.853(b)
- **Service Temperature** -40oF to +225oF continuous to 275oF intermittent
- **Thermal Conductivity** BTU/hr., Ft², oF/in. .25 per ASTM C 177

Standard Surface Treatments:

- Aluminized Polyester
- Reinforced Aluminized Polyester
- Urethane Films (matte or impervious)
- Perforated Vinyl
- Convoluted
- Embossed
- Customized Facings Available

Pressure Sensitive Adhesive:

- Supported SBR (temps to 140oF)
- Unsupported Acrylic (temps to 250oF)
- Supported Acrylic (temps to 250oF)

Standard Sizes:

- Rolls 54" x 50'
- Sheets 54" x 72", 54" x 24", 54" x 36"
- Fabricated or Die Cut
- Thicknesses 1/4" - 2"

Thickness	Frequency (Hz)						
	125	250	500	1K	2K	4K	NRC
.5"	.00	.08	.16	.55	.98	.95	.45
.75"	.01	.11	.38	.92	.93	.86	.60
1"	.06	.19	.74	1.00	.85	.97	.70
1.5"	.10	.30	.77	1.04	.99	1.11	.80

ASTM C423-90a Absorption Coefficient