



VIVAK

- Consistent clarity
- High impact strength
- Gamma and ETO sterilizable
- Flame Retardant
- Easy forming of complex parts
- FDA compliant
- Broad chemical resistance

Product Profile:

VIVAK sheet offers an unheralded array of performance characteristics ready for today's design engineers in electronics, food, medical and other industrial environments. VIVAK can be formed and handled in large, thin sections and also die-cuts and punches easily, unlike acrylic which requires costly routing, drilling and labor intensive cleaning. VIVAK sheet's inherent strength also means less breakage during production, which can mean higher margins and lower costs. It can be bonded or fastened with adhesives, ultrasonic welding or rivets, and is compatible with standard screen printing inks.

Proven Applications:

- Electronic Packaging
- Merchandise Displays
- Food Packaging (Bins)
- Machine Guards
- Medical Lab Equipment

Standard Sizes:

- Thicknesses .020" - .375"
- Standard 48" x 96"
- Custom lengths available

Standard Colors:

- Standard, Clear
- Custom Tints, Opaques

Applications Limitations

VIVAK sheet, like any thermoplastic, has its performance limitations under specific conditions and in particular environments, which the user should consider.

For Example: VIVAK sheet's heat resistance of 145°F precludes its use in heat generating applications where typical temperatures exceed 140-145°F.

Typical Physical Properties of VIVAK Sheet

Property	VIVAK	Units	ASTM
Specific Gravity	1.27	–	D-792
Gardner Impact Strength	No break, 300 in/lbs.	–	D-256
Flexural Strength	11,240	psi	D-790
Flexural Modulus	309,000	psi	D-790
Tensile Strength	6,990	psi	D-638
Elongation .125 in. thick	301,000	psi	D-638
Elongation .020 in. thick	75	%	–
Dielectric Constant	180	%	–
Dielectric Strength	3.46	@ 100 HZ	D-150
Volume Resistivity	420	Volts/Mil	D-149
Heat Distortion Temperature	6.0 x 10 ¹⁵	Ohms/cm	D-257
Vicat Softening Point	145	°F	D-648
Coefficient of Thermal Expansion	180	°F	D-1525
	0.00003	In/In/°F	D-696