

VIVAK PETG sheet

VIVAK® sheet is a transparent thermoplastic sheet. Among its other advantages, this sheet product is made from PETG resin that is NSF listed and conforms to FDA food contact regulations. VIVAK sheet offers excellent impact strength and is a cost effective thermoplastic for the Point of Purchase (POP) industry. It offers deep draws and precise molded-in details without sacrificing structural integrity. VIVAK sheet can be bonded or fastened with adhesives, ultrasonic welding or rivets. In addition, VIVAK sheet is easily decorated by painting, silk screening, or hot stamping. VIVAK sheet is well suited for a variety of POP displays and interior signage.

APPLICATIONS

Greeting card displays, revolving merchandise racks, indoor signs, POP displays, menu boards, photo frames, and slat wall inventory displays

Typical Properties

Property	Test Method	Units	Values
PHYSICAL			
Specific Gravity	ASTM D792		1.27
Optical Refractive Index	ASTM D542		1.57
Light Transmission- Total	ASTM D1003	%	86
Light Transmission- Haze	ASTM D1003	%	1
Water Absorption	ASTM D570	%	0.2
MECHANICAL			
Tensile Strength	ASTM D638	psi	7,700
Tensile Modulus of Elasticity	ASTM D638	psi	320,300
Flexural Strength	ASTM D790	psi	11,200
Flexural Modulus of Elasticity	ASTM D790	psi	310,000
Izod Impact Strength - Milled Notch	ASTMD 256	Ft-lb/in Notch	1.7
Rockwell hardness	ASTM D785		R-115
Drop Dart Impact	ASTM D3763	Ft-lbs	22
Shear Strength	ASTM D732	psi	9,000
Compressive Strength	ASTM D695	psi	8,000
THERMAL			
Deflection Temperature @ 264 psi	ASTM D648	°F	157
Deflection temperature @ 66 psi	ASTM D648	°F	164
Coefficient of Thermal Expansion	ASTM D696	In/in/°F	3.8 x 10 ⁻⁵
Flammability (Burning Rate)	ASTM D635	In/minute	0.06
Flammability	UL 94		HB
Smoke Density Rating	ASTM D2843	%	53.8
Self-Ignition Temperature	ASTM D1929	°F	880
Flame Spread Index	ASTM E84		85
Smoke Developed Index	ASTM D84		450
Glass Transition Temperature	ASTM D3418	°F	178
ELECTRICAL			
Dielectric Constant @ 1 KHz	ASTM D150		2.6
Dielectric Constant @ 1 MHz	ASTM D150		2.4
Dielectric Strength	ASTM D149	Volts/mil	410

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.