

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 METRIC ISO PROPERTIES

Property	Test Method	Units	Values
PHYSICAL			
Density	ISO 1183		1.27
Optical Refractive Index	ASTM D542		1.57
Light Transmission- Total	ASTM D1003	%	86
Light Transmission- Haze	ASTM D1003	%	1
Water Absorption	ISO 62 (1)	%	0.2
MECHANICAL			
Tensile Strength at Yield	ISO 527-2	MPa	53
Tensile Modulus of Elasticity	ASTM D638	MPa	2200
Flexural Strength	ISO 178	MPa	70
Flexural Modulus of Elasticity	ISO 178	MPa	2100
Izod Impact Strength - Notch	ISO 180/1A	kJ/m ²	11.5
Elongation at Break	ISO 527-2	%	>60
Drop Dart Impact	ASTM D3763	J	30
Charpy Impact Strength Unnotched	ISO 179/1fu	kJ/m ²	No Break
Compressive Strength	ASTM D695	MPa	55
THERMAL			
Deflection Temperature @ 1.80 MPa	ISO 75-1	°C	68
Deflection temperature @ 0.45 MPa	ISO 75-1	°C	72
Coefficient of Thermal Expansion	ASTM D696	cm/cm/°C	6.8 x 10 ⁻⁵
Flammability (Burning Rate)	ASTM D635	cm/minute	0.15
Flammability	UL 94		HB
Smoke Density Rating	ASTM D2843	%	53.8
Self-Ignition Temperature	ASTM D1929	°C	471
Vicat Softening Temp. 1kg Load	ISO 306	°C	83
Smoke Developed Index	ASTM D84		450
Glass Transition Temperature	ASTM D3418	°C	81
ELECTRICAL			
Dielectric Constant @ 1 KHz	ASTM D150		2.6
Dielectric Constant @ 1 MHz	ASTM D150		2.4
Dielectric Strength	ASTM D149	Volts/mm	16100

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.