

VIVAK PETG



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 D 792	-	1.27
Optical refractive index	ASTM D 542	-	1.57
Light transmission, total	ASTM D 1003	%	86
Light transmission, haze	ASTM D 1003	%	1
Water absorption	ASTM D 570	%	0.2
MECHANICAL			
Tensile strength	ASTM D 638	psi	7,700
Tensile modulus of elasticity	ASTM D 638	psi	320,300
Flexural strength	ASTM D 790	psi	11,200
Flexural modulus of elasticity	ASTM D 790	psi	310,000
Izod impact strength – milled notch	ASTM D 256	ft-lbs/in notch	1.7
Rockwell hardness	ASTM D 785		R-115
Drop dart impact	ASTM D 3763	ft-lbs	22
Shear strength	ASTM D 732	psi	9,000
Compressive strength	ASTM D 695	psi	8,000
THERMAL			
Deflection temperature @ 264 psi	ASTM D 648	°F	157
Deflection temperature @ 66 psi	ASTM D 648	°F	164
Coefficient of thermal expansion	ASTM D 696	in/in°F	3.8 x 10 ⁻⁵
Flammability (burning rate)	ASTM D 635	in/minute	0.06
Flammability	UL 94		HB
Smoke density rating	ASTM D 2843	%	53.8
Self-ignition temperature	ASTM D 1929	°F	880
Flame spread index	ASTM E 84		85
Smoke developed index	ASTM D 84		450
Glass transition temperature	ASTM D 3418	°F	178
ELECTRICAL			
Dielectric constant @ 1 KHz	ASTM D 150		2.6
Dielectric constant @ 1 MHz	ASTM D 150		2.4
Dielectric strength	ASTM D 149	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.