VIVAK® PETG
(Polyethylene Terephthalate Glycol)

VIVAK is a transparent thermoplastic sheet. In the point of purchase industry, VIVAK is the brand and market leader for all clear plastics. Among its advantages, VIVAK offers superior impact strength over acrylic and cost effectiveness compared to polycarbonate. VIVAK offers deep draws, complex die-cuts and precise molded-in details without sacrificing structural integrity. It die-cuts and punches easily and can be bonded or fastened with adhesives, ultrasonic welding or rivets. In addition, VIVAK is easily decorated by painting, silk screening or hot stamping. Easy to fabricate, form, bond and decorate, VIVAK is well suited for a variety of point of purchase and sign applications.

Applications:
Typical applications include video tape shelves, greeting card displays, revolving merchandise racks, indoor signs, point of purchase displays, menu displays, photo frames and slat wall inventory displays.

Property	Test Method	Units	VIVAK® PETG
Physical			
Specific Gravity	ASTM D-792	-	1.27
Water Absorption after 24 hrs.	ASTM D-570	%	0.2
Mechanical			
Tensile Strength, Ultimate .125″	ASTM D-638	psi	7,700
Tensile Modulus .125″	ASTM D-638	psi	320,000
Flexural Strength .125″	ASTM D-790	psi	11,200
Flexural Modulus .125″	ASTM D-790	psi	310,000
Izod Impact Notched .125″ at 73°F	ASTM D-256	ft-lb/in	1.7
Izod Impact Notched .125″ at 32°F	ASTM D-256	ft-lb/in	1.2
Drop Dart Impact .250″ at 73°	ASTM D-3763	ft-lbs	53
Rockwell Hardness	ASTM D-785	R Scale	115
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 ≥.060″	UL 94	-	HB
Glass Transition Temperature	-	°F	178
Forming Temperature	-	°F	280-320
Optical			
Light Transmission	ASTM D-1003	%	86
Refractive Index	ASTM D-542	-	1.57
Haze	ASTM D-1003	%	1.0

NOTE: The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. Contact us for manufacturers' complete material property datasheets. All values at 73°F (23°C) unless otherwise noted.