



# VIVAK® SATIN - PETG (Bayer)

Co-polyester PETG with a Satin Finish on one side

VIVAK® Satin is a translucent copolyester sheet with a satin texture on one side. This product offers improved toughness versus acrylic, reduced gloss and enhanced scratch resistance. VIVAK® Satin can be used in point of purchase displays, slatwall fixtures, interior architectural elements and interior decorative glazing.

<b>Typical Properties</b>			
<b>Properties</b>	<b>Test Method</b>	<b>Units</b>	<b>Values</b>
<b>PHYSICAL</b>			
Specific Gravity	ASTM D792	-	1.27
Water Absorption, 24 hours	ASTM D570	%	0.2
Light Transmission	ASTM D1003	%	86
<b>MECHANICAL</b>			
Tensile Strength, Ultimate	ASTM D638		7,700
Tensile Modulus	ASTM D638	psi	320,300
Flexural Strength	ASTM D790	psi	11,200
Flexural Modulus	ASMT D790	psi	310,000
Shear Strength	ASTM D732	psi	9,000
Compressive Strength	ASTM D895	psi	8,000
Izod Impact Notched 0.125" @ 73 °F	ASTM D256	ft-lb/in	1.7
Izod Impact Notched 0.125" @ 32 °F	ASTM D256	ft-lb/in	1.2
Instrumented Impact	ASTM D3763	ft-lb/in	83
Rockwell Hardness	ASTM D785	R Scale	115
<b>THERMAL</b>			
Heat Deflection Temperature, @ 264 psi	ASTM D648	°F	157
Heat Deflection Temperature, @ 66 psi	ASTM D648	°F	164
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	3.8 x 10 <sup>-5</sup>
Glass Transition Temperature	ASTM D3418	°F	178
<b>ELECTRICAL</b>			
Dielectric Constant @ 1kHz	ASTM D150	-	2.6
Dielectirc Constant @ 1MHz	ASTM D150	-	2.4
Dielectric Strength	ASTM D149	V/mil	410