



VIVAK® GP - PETG (Bayer)

Non-FDA Compliant, General Purpose Co-polyester PETG

VIVAK® GP Sheet is a transparent copolyester product for applications that do not require compliance for food contact. It offers a unique balance of physical properties and ease of fabrication. It is often used for complex parts including deep thermoforming draws and precise molded-in details. It is easily decorated by painting, screen printing, or hot stamping. VIVAK GP Sheet is offered in thickness from 0.020" - 0.177" and made-to-order up to 0.500".

Typical Properties

Properties	Test Method	Units	Values
PHYSICAL			
Specific Gravity	ASTM D792	-	1.27
Water Absorption, 24 hours	ASTM D570	%	0.2
Light Transmission	ASTM D1003	%	86
Refractive Index	ASTM D542		1.57
Haze	ASTM D1003	%	1.0
MECHANICAL			
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
Drop Dart Impact 0.250" thickness	ASTM D3763	ft-lb	22
Rockwell Hardness	ASTM D785	R Scale	115
THERMAL			
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 ⁻⁵
Glass Transition Temperature	ASTM D3418	°F	178
ELECTRICAL			
Dielectric Constant @ 1kHz	ASTM D150	-	2.6
Dielectric Constant @ 1mHz	ASTM D150	-	2.4
Dielectric Strength	ASTM D149	V/mil	410