



## VIVAK® FROST - PETG (Bayer)

Low Gloss, Smooth Finish, Co-polyester PETG sheet

VIVAK® VF Frost Sheet is a low gloss smooth finish translucent copolyester product. This material features improved toughness versus acrylic and maintains a reduced gloss surface after thermoforming. VIVAK® VF Frost sheet has the appearance of etched glass and diffuses light, enhancing design options.

### Typical Properties

Properties	Test Method	Units	Values
<b>PHYSICAL</b>			
Specific Gravity	ASTM D792	-	1.27
Water Absorption, 24 hours	ASTM D570	%	0.2
Light Transmission @ 0.118"	ASTM D1003	%	82
<b>MECHANICAL</b>			
Tensile Strength, Ultimate	ASTM D638	psi	7,700
Tensile Modulus	ASTM D638	psi	301,000
Flexural Strength	ASTM D790	psi	11,400
Flexural Modulus	ASMT D790	psi	351,000
Shear Strength	ASTM D732	psi	4,070
Compressive Strength	ASTM D895	psi	7,250
Instrumented Impact	ASTM D3763	ft-lb	22
Rockwell Hardness	ASTM D785	R Scale	115
Izod Impact Notched 0.125" @ 73°F	ASTM D256	ft/lbs	1.0
Izod Impact Notched 0.125" @ 32°F	ASTM D256	ft/lbs	0.8
<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