



VIVAK Properties

Physical	Test method	Units	VIVAK PETG
Specific Gravity/Relative Density	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	%	1.0
Water Absorption	ASTM D-570	% By wt	0.2

Mechanical	Test method	Units	VIVAK PETG
Tensile Strength	ASTM D-638	psi	7,700
Tensile Modulus of Elasticity	ASTM D-638	%	320,000
Flexural Strength	ASTM D-790	psi	11,200
Flexural Modulus of Elasticity	ASTM D-790	psi	310,000
Dielectric Constant @1kHz	ASTM D-150		2.6
Dielectric Constant @1mHz	ASTM D-150		2.4
Dielectric Strength	ASTM D-149	volts/mil	410
Compressive Strength	ASTM D-695	psi	8,000
Shear Strength	ASTM D-732	psi	9,000
Izod Impact Strength notched @ 73°F	ASTM D-256	ft-lb/in Notch	1.7
Izod Impact Strength @ 32°F	ASTM D-256	ft-lb/in Notch	1.2
Drop Dart Impact	ASTM D-3763	ft-lbs	22
Rockwell Hardness	ASTM D-785		R-115

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