CELTEC® EXPANDED PVC

TYPICAL PHYSICAL PROPERTIES*	UNITS	ASTM	CELTEC
Physical			
Density	g/cm³	D 792	0.58
Water Absorption	%	D 570	0.15 - 0.30
Hunter Whiteness Index	-	-	85
Surface Energy	Dyne	-	38
Hardness	Shore D	D 224	55
Mechanical			
Tensile Strength	psi	D 638	2,256-3,000
Flexural Strength	psi	D 790	3,755
Tensile Modulus	Psi	D 638	144,000—232,000
Flexural Modulus	psi	D 790	170,000
Screw Hold	psi	D 1761	17.0 - 300
Izod Impact	ft-lb/in	D 256	0.69
Thermal			
Heat Deflection Temp (264 psi)	°F	D 648	181
Coefficient of Linear Expansion	in/in/°F	D 696	2.3×10^{-5}
Vicat Softening Point	°F	D 1525	168
Thermal Resistance R (0.5" Thick)	R	C 518	.948
Flammability Ratings			
Flame Spread Index	-	E 84	Class A
Vertical Burn Test	-	UL 94	V-0
Fire Foam Test	-	UL 1975	-
Oil Canning (@140)	°f	D648	Passed
Electrical			
Dielectric Strength	kV/cm	D 194	72
Compliances			
* Information applies to 3MM - 12MM material	-	-	FDA, RoHS, REACH

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The 'Typical' properties of our plastic sheet cannot be automatically used when engineering finished components, and the fabricator or end user is responsible for insuring the suitability of our products for their specific application or end use!