

CELTEC Expanded PVC

TYPICAL PHYSICAL PROPERTIES*	UNITS	ASTM	CELTEC
Physical			
Density	g/cm ³	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 X 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	Passed / Classified
Oil Canning (@140)	°f	D648	Passed
Electrical			
Dielectric Strength	kV/cm	D 194	72
Compliances			
* Information applies to 3MM - 12MM material	-	-	FDA, RoHS, REACH