

Product Data - Celtec



TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNITS	VALUES
PHYSICAL			
Density	ASTM D792	g/cm ³	0.58
Water Absorption, 24 hours	ASTM D570	%	0.15-0.30
Surface Energy	-	Dyne	38
Hardness	ASTM D244	Shore D	55
MECHANICAL			
Tensile Strength	ASTM D638	psi	2,256 - 3,000
Flexural Strength	ASTM D790	psi	3,755
Tensile Modulus	ASTM D638	psi	144,000 - 232,000
Flexural Modulus	ASTM D790	psi	170,000
Screw Hold	ASTM D1761	psi	17.0 - 300
Izod impact Strength	ASTM D256	ft-lb/in	0.69
THERMAL			
Coefficient of Linear Expansion	ASTM D696	in/in/°F	2.3 x 10 ⁻⁵
Heat Deflection Temperature @ 264 psi	ASTM D648	°F	181
Vicat Softening Point	ASTM D1525	°F	168
FLAMMABILITY			
Flame Spread Index Vertical Burn Test	E 84	-	Class A
	UL 94	-	V-0
ELECTRICAL			
Dielectric Strength	ASTM D194	kV/cm	72

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