

TECHNICAL SPECIFICATIONS: LITECELL®

I. TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	VALUE
PHYSICAL			
Specific Gravity	ASTM D 792	g/cm ³	0.75
Water Absorption	ASTM D 570	%	0.30
Shore D Hardness	ASTM D 2240	—	52
MECHANICAL			
Tensile Strength at Yield	ASTM D 638	psi	3,000
Elongation at Break	ASTM D 638	%	15
Flexural Modulus	ASTM D 790	psi	130,000
Impact Strength (Izod notched)	ASTM D 256	ft-lb/in	0.4
Dielectric Strength	ASTM D 149	kv/mm	12
THERMAL			
Heat Distortion Temperature	ASTM D 648	°F	135
(under load at 264 psi)	ASTM D 696	in/in/°F	35 x 10 ⁻⁶
Coefficient of Linear Expansion	ASTM C 177	W/m °K	0.08
Thermal Conductivity			

II. FLAMMABILITY STANDARDS

OTHER PROPERTY		RATING
THERMAL		
UL 94	V0	Passed
UL 94	5V	Passed
UL 48	N/A	Passed