

ITEM	SPECIFICATION	PROPERTY
CELL STRUCTURE		CROSSLINKED EXPANDED POLYETHYLENE
DENSITY (LB/FT ³)	ASTM D3575-93	2.0 - 2.4
CELL SIZE (MM AVERAGE)	ASTM D3576 MODIFIED	.9
COMPRESSIVE STRENGTH VERTICAL DIRECTION (PSI)	ASTM D3575-93 SUFFIX D @ 25% @ 50%	10.5 19.5
COMPRESSIVE SET (% ORIGINAL THICKNESS)	ASTM D3575-93 SUFFIX B	15%
COMPRESSIVE CREEP (% DEFLECTION)	ASTM D3575-93 SUFFIX BB (1000 HRS.)	<5% @ 2.0 PSI
TENSILE STRENGTH (PSI) (@ 1/2" THICKNESS)	ASTM D3575-93 SUFFIX T MD / CMD	42 PSI
TEAR RESISTANCE (LB/IN) (@ 1/2" THICKNESS)	ASTM D3575-93 SUFFIX G MD / CMD	13
WATER ABSORPTION (LB/FT ³)	ASTM D3575-93 SUFFIX L	<0.2
THERMAL RESISTANCE R-VALUE (HR-FT ² -°F/BTU)	ASTM C518-91	2.09 - 2.48
THERMAL CONDUCTIVITY k-VALUE (BTU-IN/HR-FT ² -°F)	ASTM C518-91	0.40 - 0.48
THERMAL STABILITY (% SHRINKAGE)	ASTM D3575-93 SUFFIX S	<5%

- * STRONG, TOUGH AND LIGHTWEIGHT
- * NOT WATER ABSORBANT
- * CHEMICAL, SOLVENT AND WEATHER RESISTANT

DIMENSION FORMAT: IN (mm)



TITLE ENGINEERING
PROPERTIES FOR TYPE
PIB/SRP PERIMETER ISOLATION

LAST DATE
REVISED
5/5/09

DRAWN BY
MDV

DRAWING NO.
AA001908

AA



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LEED Analysis Model PIB/SRP

Recycled Content

The Kinetics Model PIB/SRP does not contain significant recycled content.

Fabrication Location

The Kinetics Model PIB/SRP is manufactured in Dublin, OH 43017.

Material Source

The extraction points for the materials in the Kinetics Model PIB/SRP can not be verified.
Assume they are outside of the 500 mile radius.

PERFORMANCE CRITERIA [MATERIAL AND CURING CONDITIONS @ 73°F (23°C) AND 50% R.H.]

TENSILE PROPERTIES (ASTM D-412) AT 21 DAYS:

TENSILE STRESS	175 psi min. (1.21 MPa)
ELONGATION AT BREAK	550%
MODULUS OF ELASTICITY	25% 35 psi (0.24 MPa) 50% 60 psi (0.41 MPa) 100% 85 psi (0.59 MPa)
SHORE A HARDNESS (ASTM D-2240) AT 21 DAYS	40 \pm 5
TEAR STRENGTH (ASTM D-624) AT 21 DAYS	55 lbs./inch
ADHESION IN PEEL (TT-S-00230C, ASTM C 794)	CONCRETE 20 lb. - 0% ADHESION LOSS
SERVICE RANGE	-40° TO 170° F (-40° TO 77° C)
INITIAL CURE / FINAL CURE	TACK FREE 3 -6 HOURS / 4 - 7 DAYS
COVERAGE (20 oz. UNI-PAC SAUSAGE)	24 LINEAR FEET (7.3M) x 1/2" (12) x 1/4" (6) JOINT
SHELF LIFE (20 oz. UNI-PAC SAUSAGE)	12 MONTHS

MEETS FEDERAL SPECIFICATION TT-S-00230C, TYPE II, CLASS A.

MEETS ASTM C-920, TYPE S, GRADE NS, CLASS 35, USE T, NT, O, M, G, I.

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|---|--|
| * A SUPERIOR CUSHIONING MATERIAL | * STRONG, TOUGH, AND LIGHT WEIGHT |
| * SMOOTH, SOFT, AND ATTRACTIVE | * NON WATER - ABSORBANT |
| * PAINTABLE WITH WATER, OIL AND RUBBER BASED PAINTS | * CHEMICAL, SOLVENT, AND WEATHER RESISTANT |

DIMENSION FORMAT: IN (mm)



TITLE ENGINEERING PROPERTIES FOR PERIMETER SEALANT	LAST DATE REVISED 10/27/11	REVISED BY MDV	DRAWING NO. S-11.22-1A	S-11
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