

CALCULATION SHEET
(OF RIGID POLYURETHANE INSULATION)

TEST RESULT

THE MEAN TEST VALUES WERE AS FOLLOWS.

TEST ITEM	RESULT	TEST METHOD
DENSITY(PCF)	2.2	ASTM D 1622
THERMAL CONDUCTIVITY BTU IN/HR.SQ.FT."F AT 75°F"	0.16	ASTM D 177
90 DAG FORM DATE OF MANUFACTURE COMPRESSIVE STRENGTH(P.S.I. MIN.)	25	ASTM D 1621
WATER ABSORPTION VOL % (MAX.)	2	ASTM D 2842
BURNING CHARACTERISTICS	SELF EXTINGUISHING	ASTM D 1692

REQUESTED U-VALVE : 0.10(R-VALVE:10)
(FOR FILLED W/ INSULATION METAL DOOR)

METAL DOOR, THICKNESS : 1³/₄"(44.5MM)

U-VALVE OF RIGID POLYURETHANE FORM(2.2PCF):0.16 BTU- IN/FT 3HR °F
THEREFOR, $1/1.16 \times 1\frac{3}{4} = 10.9375$ (SATISFACTORY)

CALCULATION BY : SAMHOON CO.,LTD.

