

PVC SHEETS—NO ADEKA SEALANT

PROJECT NO.: L01116-01

LAB I.D. NO.: L01116-01-02

MATERIAL: 9000/9900

JOINT CONDITION: TENSION

PANEL WIDTH, w-in = 24

WALL THICKNESS, t-in = 0.36

TEST SPEC. LENGTH, L-in = 10.00

LEAK TEST DATA				Flow Rate	Flow Rate per Meter of Joint	Hydraulic Gradient	Transmissivity	“Equivalent” Permeability*
Pressure Head	Pressure Head	Flow Volume	Coll Time					
h.psi	ft. of Water	q.ml	t.secs	ml/s	ml/s/m	i	m ² /s	cm/s
2.8	6.47	160	60	2.7	10.5	215	4.87E-08	8.00E-06
5.1	11.78	300	60	5.0	19.7	392	5.02E-08	8.23E-06
9	20.79	500	60	8.3	32.8	692	4.74E-08	7.77E-06
13.7	31.64	770	60	12.8	50.5	1054	4.79E-08	7.86E-06

* Equivalent Permeability of the wall section assuming that leakage is distributed uniformly across the panel width and the thickness for head loss is equal to the wall thickness.

NOTE FLOW RATE AND FLOW VOLUME WITHOUT ADEKA SEALANT**OCM, Inc.**

1120 Peterson Road, Grayslake, IL 60030

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PVC SHEETS—WITH ADEKA A-30 SEALANT

PROJECT NO.: L01116-01

LAB I.D. NO.: L01116-04-01

MATERIAL: 9000/9900

JOINT SEALANT: ADEKA A-30

PANEL WIDTH, w-in = 24

WALL THICKNESS, t-in = 0.36

TEST SPEC. LENGTH, L-in = 10.00

LEAK TEST DATA									
Elapsed Time	Pressure Head	Pressure Head	Flow Volume	Coll Time	Flow Rate	Flow Rate per Meter of Joint	Hydraulic Gradient	Transmissivity	“Equivalent” Permeability*
hrs	h.psi	ft. of Water	q.ml	t.secs	ml/s	ml/s/m	i	m ² /s	cm/s
2	5.1	11.78	< 1	23000	0.0	0.0	504	3.39E-13	< 5.6E-11
2	13.7	31.64	< 1	7200	0.0	0.0	1355	4.04E-13	< 6.6E-11

* A unit of 1ml is arbitrarily used as a “detection limit” for the purpose of calculating a permeability value.

**NOTE FLOW RATE = 0.0 AND FLOW VOLUME < 1
HYDRAULIC CONDUCTIVITY = 0**

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