TRI-COC-46020 - INTERACTION - D5514 HYDROSTATIC PUNCTURE

Please include on all shipped materials

TEST NUMBER | (One Form Per Test) | TRI Log# (If Assigned)

Client Company:

Project: | PO

Contact: Name: Email: Phone:

CC e-mails:

Large Scale Hydrostatic Puncture Testing of Geosynthetics

1 Profile / Components

Manufacturer - Material/Product	Sample ID	Placement*

**Orientation, dry density, water content, etc*

2 Test Method

☐ A - Clone

Height of Cone

☐ Single, Prescribed Height ☐ in ☐ mm

☐ Curve Development - Four Heights (To be Determined)

☐ Other - See Special Instructions

☐ B - Site Specific Soil - Ramp Until Failure

☐ C - Site Specific Soil - Hold, End of Test Evaluationure

Hold Pressure

☐ psi ☐ kPa

Hold Pressure

☐ 24 hrs ☐ 48 hrs ☐ 74 hrs ☐ 5 Days

☐ 7 Days ☐ See Special Instructions

Note - Maximum chamber pressures: 500 psi - Austin, Texas and 2,000 psi - Gold Coast, AU

3 Ramp Rate

☐ 1 psi (7.0 kPa) per minute (Stark, T.D., Boerman, T.R., and Connor, C.J. (2008), Puncture resistance of PVC Geomembranes using truncated cone test, Geosynthetics International, 15, No. 6.)

☐ 1 psi / 7.0 kPa every 30 minutes (ASTM D5514)

☐ Other: ☐ psi/min ☐ kPa/min

Note - 1 psi per minute puncture rates likely result in lower puncture pressures as slower ramping rates may potentially allow for material deformation. It may not be impractical due to time or economic constraints to utilize slower ramping rates for high puncture or holding pressures.

4 Special Instructions

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