Updated 6/2020

**KSU Submission Form for Hot Plate Tests**

Please email this form in Word format to merediths@ksu.edu each time you send a set of fabrics for testing.

**1. Company name, address, phone, contact person and email address.** We will email the report and invoice to the contact listed below.

|  |  |
| --- | --- |
| Company name and address:  | Contact name: Email: Phone:  |

If another company is paying for the test and/or you want the invoice sent to another person, please indicate it here.

**2. Purchase order number for testing:**  List it here or send a PO document.

**Dry hot plate test to measure the insulation value of materials @ $377 = $**

**Sweating hot plate test to measure the evaporative resistance of materials @ $388 = $**

**3. Select a test protocol:**

\_\_\_\_\_\_ASTM D 1518 – insulation (clo value) test for battings and sleeping pads **Price: $377**

Air temperature = 1 to 20°C

Relative humidity = 20 to 80%

Option #1: No air velocity (stagnant air under box hood)

\_\_\_\_\_\_ASTM D 1518 – insulation (clo value) test for battings and sleeping pads **Price: $377**

Option #2: Air velocity over plate = 1.0 m/s

- or -

ASTM F 1868 Part A – insulation (clo value) test for fabrics

Air temperature = 1 - 20°C

Relative humidity = 20 - 80%

Air velocity over plate = 1.0 m/s

\_\_\_\_\_\_ISO 11092 – insulation test for fabrics *(not appropriate for thick materials)* **Price: $377**

Air temperature = 20°C

Relative humidity = 65%

Air velocity over plate = 1.0 m/s

\_\_\_\_\_ASTM F 1868 Part B and ISO 11092 – isothermal sweating hot plate test

for evaporative resistance **Price: $388**

Air temperature = 35°C

Relative humidity = 40%

Air velocity over plate = 1.0 m/s

**--continued—**

**Not currently available**

\_\_\_\_\_\_ASTM F 1868 Part C – NFPA non-isothermal protocol for insulation, apparent evaporative

resistance, and total heat loss values **Price: $765**

\_\_\_\_\_\_Fabric weight per unit area and insulation per unit weight (clo/kg/m2). **Price: $66/hour**

**4. Fabric letter or number codes:** Give the sample codes and descriptions for the report here.

**5. Return shipping information:** We will use the address above unless you give us other instructions.

|  |  |
| --- | --- |
| \_\_\_\_\_Do not return materials (discard)\_\_\_\_\_UPS Account #: \_\_\_\_\_Federal Express Account #:  | Shipping address if different from above: |

**6. Export Controls Compliance**

(a) Is the company or the individual named above contracting, working, or acting for or on behalf of a national government? Yes \_\_\_\_\_ No \_\_\_\_\_

(b) If you answered ‘Yes’ to 6 (a), briefly describe the nature of the relationship with the national government \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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