



The following commercial specification is an original Parachute Industry Association specification.

PERMANENCE OF SET AND SHRINKAGE IN PARACHUTE FABRICS (BOILED WATER TEST METHOD)

The Parachute Industry Association makes this document available for use by Industry and Government organizations that wish to apply this specification to their products.

1. SCOPE

1.1 This method is intended for determining the percent shrinkage, air permeability and thickness of parachute fabrics.

2. TEST SPECIMEN

2.1 Specimens. Two 20 inch square specimens of the cloth shall be prepared.

3. NUMBER OF DETERMINATIONS

3.1 Unless otherwise specified in the procurement document, two specimens shall be tested from each sample unit.

4. APPARATUS

4.1 A steel vat/tank large enough to allow specimens to be suspended freely in boiling water for 15 minutes. The specimens shall not come in contact with the bottom of the vat/tank or the heat source.

4.2 A rod long enough to rest on the top of the vat/tank is used to suspend the specimen into the tank utilizing twine or non-rusting wire. A metal frame can also be used instead of the rod and twine set-up. Note: Each specimen requires a separate holder while testing.

4.3 The water in the steel vat/tank shall be heated with a heated jacket, a submersible electric water heater and/or live steam with pre-drilled holes to control the flow of steam into the water.