



# IPC-TM-650 TEST METHODS MANUAL

Number <b>2.1.7.1</b>	
Subject <b>Thread Count, Organic Fibers</b>	
Date <b>12/87</b>	Revision
Originating Task Group <b>N/A</b>	

**1 Scope** This method is used to determine warp and fill thread count in materials containing combustible fibers.

**2 Applicable Documents** None

**3 Test Specimen** The specimen may be of any convenient size greater than 51 mm x 51 mm.

## 4 Equipment

**4.1** Glass pick, ruler, pointer or other suitable form of counting device

**4.2** Microscope

## 5 Procedure

**5.1 Yarn Warp** Place the sample as flat as possible, without tension on a smooth horizontal surface. The actual number of warp yarns shall be counted in 25 mm of cloth width.

**5.2 Yarn Filling** The number of yarns per 25 mm in the filling direction shall be determined as in 5.1.

**5.3 Evaluation of Test** When the warp direction is known, report the number of yarns per 25 mm as "A x B," where A and B are the number of warp and fill yarns per 25 mm respectively. When the warp direction is not known, report the number of yarns per 25 mm as "A:B," where A is the number of yarns per 25 mm in either direction and B is the number of yarns in the perpendicular direction.