



Fabric

Nature of test	Testing standard/ method	Sample size (metres of fabric)	Instrument
Ends and picks	ASTM D 3775-03 & IS 1963-1981	1	Pick Counter
Count of yarn from fabric-warp and weft	ASTM D 1059-01	1	Precision Balance
Grab test	ASTM D 5034-95 Reapproved 2001	2	Tensile Strength Tester
Length of fabric	-	5	Measuring Scale
Width of fabric	ASTM D 3774-96	1	Measuring Scale
Breaking strength (warp and weft directions)	ASTM D 5035-95 & IS 1969-1985 Reapproved 2001	2	Tensile Strength Tester
Weight per unit area or unit length of fabric	ASTM D 3776-96 & IS 1964-2001 Reapproved 2002	2	Precision Balance
Moisture content of fabric	ISO 6741-1 1989	2	Mesdan Semi Automatic Moisture Tester
Mean thickness	IS : 7702-1975	2	Shirley Thickness Gauge
Abrasion (flat/flex)	ASTM D 3885-1999	2	Abrasion Tester
Abrasion	-	2	Eureka Abrasion Tester
Tearing strength	ASTM D 1424-1996 Reapproved 2004	2	Elmendorf Tearing Strength Tester
Air permeability	-	1	Air Permeability Tester
Bursting strength	IS 1966-1975	2	Bursting Strength Tester
Crimp	ASTM D 3883-2004	1	Crimp Tester
Crease recovery (dry/wet)	-	1	Shirley Crease Recovery Tester

Fabric (contd...)

Nature of test	Testing standard/ method	Sample size (metres of fabric)	Instrument
Fabric stiffness	BS 3356-1990	1	Shirley Stiffness/ Blending Length Tester
Fabric defects	-	2	-
Pilling test	IS 10971-1993	1	Pilling Tester
Drape	BS 5058-1973	2	Drape Tester
Cover factor	-	2	-
Adhesive force	-	2	Tensile Strength Tester
Strength of yarn taken out from fabric - warp and weft	-	2	Uster Tensorapid
TPI of single yarn taken out from the fabric – warp and weft	-	2	Micro Processor Twist Tester
TPI of single yarn taken out from the double yarn of fabric	-	2	Micro Processor Twist Tester
Defect analysis	-	1	-
