

MECHANICAL TEST CAPABILITY
Shoe Flexing At Room Temperature
Shoe Flexing At Low Temperature
Heel Attachment Strength Test
Strap Attachment
Strength Of Attachment Of Bows & Trims
SATRA Sole Adhesion Test
16 Point Bondability Test
Leakage Resistance
Slip Resistance For Safety
Slip Resistance As Per SATRA
High Voltage
Thong Attachment
Top Piece Attachment
Heel Impact
Heel Fatigue
Peel Strength
Visual Observation
Flexing Resistance At Room Temperature
Flexing Resistance At Low Temperature
Tensile Strength & Extension At Break
Seam Strength/Stitch Tear
Induced Tear Strength
Tongue Tear
Grain Crack Index
Burst Strength
Adhesion Of Coating (synthetics)
Dynamic Water Resistance
Break Pipiness
Wrinkleometer Test
Surface Water Absorption
Water Vapour Permeability
Water Vapour Coefficient
Taber Abrasion
Light Fastness
Wet/dry/Solvent Rub Fastness
Colour Migration
Shrinkage Test
Fungus Growth
Cold Crack Temperature

Martindale Abrasion
Vamp Flexing For Dry/wet/cold
PVC Migration Test
Identification Of Leather
Colour Fastness To Perspiration
Finish Adhesion Test
Specific Gravity/density
Tensile Strength & Elongation At Break
Hardness
Ross/bennewart Flexing Index At Room Temp.
Ross/bennewart Flexing Index At Low Temp.
SATRA/BATA Belt Flexing
Oil Swelling
Compression Set
Split Tear Strength
Die C" Tear Test"
Heat Shrinkage
% Volatile Loss
Abrasion
Bond Strength (raw Material)
Bond Strength (prepared Sample)
Light Fastness (PLASTICS / RUBBERS/ PU FOAMS/ SOLING MATERIALS)
Dynamic Water Resistance (leather)
Grain Crack Index (Sole Leather)
Tear Strength
Chemical Resistance Per Chemical
Hardness Of PU Foams(Seats)
Blooming Test
Tensile Strength
Flexing Index
Split Tear Strength (INSOLE)
Water Uptake/loss
Rub Fastness Dry/wet Each
Surface Water Absorption (INSOLE)
Laminar Strength
Shear Strength
Heel Pin Holding Strength
Scuff/abrasion Resistance
Peel Strength (INSOLES)
Longitudinal Stiffness
Stitch Tear Of Insole

Shrinkage (INSOLE)
Elongation At Break
Change In Area
Bondability
Peel Strength (ADHESIVE)
Heat Resistance
Shear Strength (ADHESIVE)
Heel Pin Holding Strength (HEELS)
Resistance To Splitting
Strength Of Top Piece Attachment Of Heel
Rockewll Hardness C
Longitudinal Stiffness (SHANK)
Three Point Bending
Breaking Load And Extension At Break
Twist Per Unit Length
Tenacity
Tex
Colour Fastness
Composition
Balance Of Twist
Thread Abrasion
Bondability (self-adhesive Tapes)
Elasticity (Elastic Tapes)
Colour Migration (TAPES & BINDINGS)
Breaking Strength
Endurance Test /Repeated extension On Elastic
Resistance To Repeated Opening & Closing
Lateral Strength Of Slide Fasteners
Strength Of Slide Fastener Pullers
Attachment Of Slide Fastener Top Stops
Attachment Of Slide Fastener Bottom Stops
Slider Locking Strength Of Slide Fasteners
Security Of Attchment Of Retainer To Lateral Load
Security Of Attachment Of Retainer To Long. Load
Tensile/ Breaking Force Of Buckles
Tear Strength (FASTENERS)
Peel Strength (Velcro)
Shear Strength(Velcro)
Corrosion (metal Fasteners)
Eyelet Attachment Strength
Strength Of Fastened Buckles

Strength Of Buckle And Strap Attachment
Corrosion Resistance (For The First Sample)
Corrosion Resistance (For Subsequent Three Samples)
Linear Density
Breaking Strength & Elongation At Break
Strength Of Bodkin Attachment
Abrasion Resistance
Knot Resistance
Colour Migration (LACE)
Hardness Of Steel Toe Cap
Nail Penetration Test
Dimensions Of Steel Toe Cap
Impact Strength Of Steel Toe Caps
Thermal Conductivity
Static Electricity Without Conditioning
Resistance To Hot Contact
Compression Resistance
Metal Insert Flexing
Cold Insulation Test
Heat Insulation
Acid Resistance Footwear With Different Chemicals (upto 20 Chemicals)
ESD Footwear Test
Energy Absorption
Specific Weight
Tongue Tear Strength
Rub Fastness Dry/wet
Saminar Strength (CARD BOARD BOXES)
Burst Strength (CARD BOARD BOXES)
Strap Attachment Strength
Breaking Strength Of Strap
Ross Flexing
Abrasion (HAWAI CHAPPAL)
Split Tear
Compression Set (HAWAI CHAPPAL)
Shrinkage (HAWAI CHAPPAL)
Breaking Strength (TEXTILES)
Colour Fastness To Washing
Colour Fastness To Perspiration(Acidic/Alkaline Each)
Composition (TEXTILE)
Linear Density Of Yarn/ Count
Scouring Loss

Colour Fastness To Light
Identification Of Fiber
Dimensional Stability
Threads Per Unit Length In Woven Fabric
Weight Per Square Meter
Crease Recovery
Dry Cleaning
Ash Test
PH
Water Soluble
Cone Test
Water Absorption
Hot Pressing
Bleaching Test
Crocking Test
AGEING TESTS -Up To 24 Hours(1 Day)
AGEING TESTS -Up To 72 Hours(3 Days)
AGEING TESTS -Up To 120 Hours(5 Days)
AGEING TESTS -Up To 168 Hours(7 Days)
AGEING TEST - Up To 240 Hours(10 Days)
AGEING TEST - Up To 336 Hours(14 Days)
COLD TEST - Up To 24 Hours(1 Day)
COLD TEST - Up To 72 Hours(3 Days)
COLD TEST - Up To 120 Hours(5 Days)
Colour Impact
Heat Ageing Test (upto 24 Hrs.)
Wetherometer Test Exposure Upto 15 Hrs.
Floor Marking
Safety Shoe - IS 15298
Corrosion Test
Specific Ergonomic Features
Electrical Resistance
Hydrolysis Test On Soling
Dimensional Conformity(steel Insert)
Water Resistance
Flexing Test For Metal Insert
Toe Shape Retention
Total Extraction By Soxhlet
CAPACITY VERIFICATION
Toe Post Pull Test
V Shape Tear Strength

Lace Tag Retension
Static Electricity
Hydrolysis In NaOH
Tensile Strength Of Band (zips)
Induced Tear Resistance Of Band (zips)
Transverse Strength (zips)
Opening Resistance (zips)
Opening & Closing (zip)
Grip Pull Off Test (zips)
Shear Resistance (touch & Close)
Shear Resistance After Repeated Opening & Closing (touch & Close)
Peel Strength (touch & Close)
Peel Resistance After Repeated Opening & Closing (touch & Close)
Tensile Strength (metal Fasteners)
Tensile Strength Of Velcro
Trouser Tear Of Velcro
Stitch Tear Of Velcro
Lateral Strength
Puller Attachment Strength
Attachment Of Topstop
Attachment Of Bottom Stop
Slider Locking Strength
Security Of Retainer To Lateral Load
Security Of Retainer To Logitudinal Load
Dimensions
Security Of Fold Over Textile Chain
Repeated Extension
Needle Pull Out
Bondability (self Adhesive Tapes)
Colour Migration Test
Repeated Opening & Closing
Repeted Opening & Closing Before Ageing
GSM
Identification Of Sole
Cushioning Property
SLIP RESISTANCE
THICKNESS
Visual Observation
Insole Board SATRA TM 59
Washing Test (Complete Footwear)
WATER REPELLENCY TEST

Determination Of Total Solid Content
Shock Absorption
Heel fatigue
Heel impact
Lace Abrasion
Rebound / Resilience
Cut resistance
Water resistance (Machine method)
Shank fatigue test

Package Testing

Specification
IS 6721 (2023) with Amnd 1
IS 10702 (2023) With Amendment 1
IS 15844 : Part 1 (2023) with Amendment 1
IS 17043 : Part 2 (2024)
IS 17043 : Part 1 (2024)
IS 17861 (2022)
IS 15844 : Part 2 (2023)
IS 17043 (2018)
IS 17037 (2018)
IS 17012 (2018)
IS 11226 (1993)
IS 3736 (1995)
IS 3735 (1996)
IS 5852 : Part 1 (2019)
IS 5676 (1995)

IS 3976 (2018)
IS 12254 (1993)
IS 5557 (2004)
IS 15298 : part 4 (2024)
IS 15298 : Part 2 (2024)
IS 15298 : Part 3 (2024)
IS 12254 (2021)
ISO 20345/20346/20347