



FOOTWEAR TESTING LABORATORY, SHOE DESIGN & DEVELOPMENT CENTRE
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PHYSICAL TESTING CHARGES

LEATHER & LINING MATERIAL		SHOE		SOLING MATERIAL	
Adhesion of finish	1200	Abrasion resistance of sole	1200	Abrasion resistance	1200
Apparent density	500	Back height / quarter height	400	Adhesion strength	1200
Break / pipiness	400	Buckle attachment strength	800	Bennewart /Bata belt Flexing	1200
Breaking load	700	Colour fastness to rubbing	800	Thickness and cleat height	400
Coating adhesion	1200	Corrosion resistance of metal	800	Compression set	1000
Cold crack resistance	700	Electrical resistance	800	Density	500
Collodium test	500	Eyelet -facing strength	800	Hardness	500
Colour fastness to perspiration	800	Eyelet- security	800	Heat shrinkage	800
Colour fastness to water	800	Heel pull off strength	1000	Oil resistance	1200
Contact storage	700	Nail penetration	800	Ross flexing-room temp. / low temp.	1200
Flexing resistance - Bally.	1200	Perspiration/ water fastness	800	State of cure test	800
Flexing resistance – low temp.	1200	Seam strength	800	Tear Strength	800
Flexing resistance –Vamp	1200	Sole bond strength, inside&outside	1200	Tensile strength / extension	800
Heat fastness	800	Strap attachment strength	800	TAPE MATERIAL	
Lastometer	800	Heat aging	1500	Adhesion strength	1200
Light fastness	1500	Toe load	800	Breaking load	800
Martindale abrasion	1200	Toe puff / bond strength	1200	Water fastness	800
Needle perforations strength	800	Top piece attachment strength	800	TOE PUFF/COUNTER	
Oil Repellency test	1200	Top piece turning strength	800	Adhesion strength	1200
Rub fastness – Veslic	800	Water resistance-whole shoe	1700	Resilience, moisture resistance	1750
Rub fastness - Circular	800	Weight/Mass	400	Breaking strength & extension	800
Rub fastness, - Crock meter	800	Whole shoe flexing	1700	LACE	
Seam strength	800	Whole sole bond strength	1200	Abrasion resistance	1200
Sole leather - Abrasion resistance	1200	Whole top line strength	800	Breaking load	800
Sole Leather - Grain crack index	800	INSOLE-FORE / BACK PART		Knot slippage	800
Sole Leather - Water absorption	800	Absorption & desorption	800	Light fastness	1500
Sole leather – Water resistance	800	Cushioning properties	1500	Tag retention strength	800
Stitch tear strength	800	Density	500	Water fastness	800
Stretch and flex resistance	1200	Dimensional stability	800	Wick test	500
Tear strength	800	Flexing index	1200	BUCKLE	
Tensile strength / extension	800	Heel pin holding strength	800	Corrosion resistance	800
Thickness / Substance	200	Abrasion resistance	1200	Strength of fastened buckles	800
Water penetration (Bally)	1000	Peel strength	1200	Three point bend strength	800
Water penetration (Maeser)	1000	Scuff resistance	1200	STEEL SHANK	
Water spotting	500	Surface water absorption	800	Fatigue resistance	1200
Water vapor absorption	800	Tensile strength / extension	800	Hardness (Rockwell)	500
Water vapour permeability	1200	Transverse tensile strength	1200	Stiffness	800
Water vapour permeability & coeff.	1200	Stitch tear strength	800	ADHESIVE	
Weight/ Mass	400	SAFETY SHOES		Adhesion characteristics	1200
Wicking test	400	Electrical resistance	800	Solid content	500
Wrinklometer	300	Flexing resistance of midsole	1200	VELCRO	
ZIP		Fuel oil resistance	1200	Needle perforation	800
Burst strength	800	Heat / cold resistance of shoe	800	Peel strength initial & after wear	1600
Closure under lateral load	800	Heel pin holding strength	800	Shear strength initial & after wear	1600
Colour fastness to rubbing	800	Hot contact for sole	800	Colour fastness	800
End stop st. (top, bottom, stringer)	800	Inter layer bond strength	1200	Water fastness	800
Fatigue resistance	1000	Nail penetration for steel mid sole	800	INDUSTRIAL GLOVES	
Lateral load	800	Toe cap- Compression resistance	800	Abrasion resistance	1200
Needle perforation	800	Toe cap- Corrosion resistance -	800	Tear strength	800
Puller strength	800	Toe cap- Impact resistance	800	Water vapour permeability	1200
Slider locking strength	800	Toe cap-internal length	400	ELASTICS TAPE	
Water / perspiration fastness	800	EYELETS		Flexing resistance	1200
THREAD		Abrasion resistance	1200	Limit of useful extension	1000
Breaking load	1000	Attachment strength	800	Needle perforation strength	800
Tex value	500	Corrosion resistance	800	Rub fastness	800
Water / perspiration fastness	800	Security of eyelet	800	Water fastness	800
Sample	Sampling procedure and number of samples specified in the test method.				
Mode of payment	DD drawn in favour of "DIRECTOR, CLRI" (inclusive of 10.3% Service tax).				
Mailing	Samples and DD have to be sent directly to Footwear Testing Laboratory, SDDC for speedy test initiation.				
Test Report	Will be sent by email followed by Courier or Post				