


SATRA Test Solution

No.	Test Item	Equipment	Test Material	Standard	Remark
1	Tensile testing	GT-K01 Universal Testing Machine (Dual Column)	leather, rubber, textile materail etc	SATRA TM5, TM53, TM52, TM51, TM108, TM113, TM117, TM118, TM120, TM123, TM149, TM162, TM401, TM411, TM 410	
2	Closure strength of touch and close fasteners	GT-K19 Velcro Fatigue Tester	velcro tape	SATRA TM123	
3	Resistance of footwear to flexing	GT-KA01-1 Whole Shoes Flexing Tester (Toe lift)	various finished shoes	SATRA TM 92	
4		GT-KA01-2 Whole Shoes Flexing Tester (Heel lift)		SATRA TM92	
5	Flexing machine - water penetration test	GT-KA02 Footwear Water Penetration & Flexing Tester	various finished shoes	SATRA TM77	
6	Assess the resistance of footwear to ingress	GT-KA02-2 Dynamic Footwear Water Resistance Tester	whole shoe	SATRA TM 230	
7	Abrasion resistance of vulcanised rubber sole and heel materials	GT-KB02 NBS Rubber Abrasion Tester	footwear soling materials	SATRA TM 221	
8	Abrasion resistance - rotating drum method	GT-KB03 DIN Abrasion Tester	polymeric footwear soling materials or suitable material cut from finished soles	SATRA TM174	
9	Ross flex test - resistance to cut growth on flexing	GT-KB05A ROSS Flexing Tester	polymeric material, flexible sheet material used in footwear solings	SATRA TM60	
10		GT-KB05B Low-temperature ROSS Flexing Tester		SATRA TM60	
11	Bennewart flex test - resistance to cut growth on flexing	GT-KB06 EN Sole Flexing Tester	footwear outsole	SATRA TM161	
12	Flexing endurance of insoles	GT-KB07 Fibre Board Flex Tester	shoe insole fiberboard	SATRA TM3	

For more information, pls contact us : info@gester-instruments.com