

Martindale Abrasion and Pilling Tester HS-T05



Picture is for reference only

Application:

Martindale Tester To determine the abrasion and pilling resistance of all kinds of textile structures. Samples are rubbed against known abrasents at low pressures and in continuously changing directions and the amount of abrasion or pilling is compared against standard parameters.

Standards:

Abrasion: GB/T 21196.2, GB/T 13775, ISO 12947, ASTM D4966,

IWS TM 112, M & S P19, Next 18, SN 198529, TWC 112, JIS L1096, (ISO17076-2 ball plate method ,optional)

Pilling: GB/T 4802.2, ISO12945-2, ASTM D4970, IWS TM 196, M & S P17, Next TM26, SN 198525

Specification:

Model	HS-T05-4	HS-T05-6	HS-T05-8	HS-T05-9
Working positions	4	6	8	9
Control mode	PLC control and touch screen display			
Counter range	0~999999 times			

Test pressure	Abrasion test	A) Specimen holder: (198 ± 2)g B) Larger loading piece: (597 ± 5)g C) The sum mass: (795 ± 7)g, for workwear, upholstery, bed linen and fabrics for technical use (nominal pressure of 12kpa)			
		A) Specimen holder: (198 ± 2)g B) Smaller loading piece: (397 ± 5)g C) The sum mass: (595 ± 7)g, for apparel and household textiles, excluding upholstery and bed linen (nominal pressure of 9kpa)			
	Pilling test	A) Stainless steel loading piece: (155 ± 1) g B) Specimen holder: (260 ± 1)g C) The sum mass: (415 ± 2)g			
Holder effective diameter		A) Abrasion Holder: $\Phi(28.65 \pm 0.05)$ mm			
		B) Pilling Holder: $\Phi(90 \pm 0.10)$ mm			
Rotational speed		50 ± 2r/min			
Pressing weight		Mass: (2.5 ± 0.5) kg			
		Diameter: $\Phi(120 \pm 10)$ mm			
Power supply		AC220V 50/60Hz			
Dimensions(L x W x H)		60×55×41cm	88×61×41cm	90×62×41cm	90×62×41cm
Weight		75kg	130kg	145kg	150kg