

## Martindale Abrasion and Pilling Tester GT-C13C

### Product Introduction


#### Application:

Martindale Fabric Abrasion Tester is used to determine the abrasion and pilling resistance of all kinds of textile structures. Samples are rubbed against known abrasants 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  
Pilling: GB/T 4802.2, ISO12945-2, ASTM D4970, IWS TM 196, M & S P17, Next TM26, SN 198525

### Dimensions

<b>External Dimension:</b>	
850*650*350 mm(L*W*H)	
<b>Package Dimension:</b>	
880*700*380 mm(L*W*H)	
<b>Gross Weight:</b>	
185KG	
<b>Net Weight:</b>	
150KG	

### Martindale Pilling Tester Key Specifications

Model	GT-C13C	
Working Positions	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 ± 2 r/min	
Pressing Weight	Mass: (2.5 ± 0.5) kg	
	Diameter: $\Phi(120 \pm 10)$ mm	
Power Supply	AC220V 50/60Hz 500W	
Dimensions(L×W×H)	850×650×350mm	
Weight	150kg	

Abrasion Weight and Holder	1set	
Pilling Weight and Holder	1set	
Standard Abradents Fabric	2pcs for each head	
Standard Backing Foam 38mm box	60pcs	
Standard Woven Felt Discs 140mm	2pcs for each head	
Standard Woven Felt Discs 90mm	2pcs for each head	
Sample Cutting Template (D38mm, D90mm, D140mm)	1pc each size	
Pressing Weight	1pc	
Auxiliary Device for Specimen Mounting	1pc	
Steel Ball	3pcs	
Power Line	1pc	
EMPA Photographic Standards for Pilling Test (3 x 4 knitted)		Optional
EMPA Photographic Standards for Pilling Test (3 x 4 woven)		Optional
SM 50 Photographs for Pilling Test IWS + ASTM 4 Sets 1-5 (Plain, Twill A, Twill B, Blanket)		Optional
Standard Abradents Fabric		Optional
Standard Backing Foam $\Phi$ 38mm		Optional
Standard Woven Felt Discs $\Phi$ 140mm		Optional
Standard Woven Felt Discs $\Phi$ 90mm		Optional
Sample Cutter $\Phi$ 38mm		Optional
Sample Cutter $\Phi$ 90mm		Optional
Sample Cutter $\Phi$ 140mm		Optional