



# TECHNICAL DATA SHEET

## ANTI STATIC POWDER FREE FINGER COTS (PINK)

Product Code: ES0240

Sizes Available: Small Medium Large Extra Large

Packing: 10 gross in an antistatic pink bag  
20 bags or 200 gross per case

Carton Measurement: 0.04m<sup>3</sup> each  
Gross weight is between 12.3 kgs to 16.6 kgs per carton depending on the product size

### Specifications

Material: 100% Biodegradable Natural Rubber

Dimension:

	<u>Small</u>	<u>Medium</u>	<u>Large</u>	<u>Extra Large</u>
a) Length (mm):	←————— 62 to 72 —————→			
b) Width (mm):	25	27	29	31
c) Thickness (mm):	←————— 0.08 to 0.13 —————→			
d) Ave. Weight (g):	0.385	0.435	0.485	0.535

Physical Strength: Tensile Strength = Min. 200 kgs per cm<sup>2</sup>  
Elongation at Break = Min. 600%

### Cleanliness Test

a) NVR  
-mg/g Max. 30

b) Water  
Extractable Ions:

	<u>F</u>	<u>BR</u>	<u>CL</u>	<u>PO4</u>	<u>NO3</u>	<u>SO4</u>	<u>NA</u>
-Interior & Exterior -10 min. ambient -ug per cm <sup>2</sup>	0.05	0.05	3.5	0.05	2.5	2.5	2.5

c) Particulate Count: Above 0.5 micron  
-120 rpm 1 min. Max. 4,800  
-no. per cm<sup>2</sup>

d) FTIR Silicone, amide, DOP absent

e) Copper Strip  
Corrosion Test: No Discoloration



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## ANTI STATIC POWDER FREE FINGER COTS (PINK) (CONTINUED)

ESD Specifications (ASTM D-257 & FTMS 101-C, 4046)

- a) Surface Resistivity                      Max. 10<sup>10</sup> ohms per square
- b) Static Decay                                Max. 3 seconds
- c) Triboelectric Charge                    Max. 50 volts

**Particle Measurement Testing:** Method No. 5 (I.E.S. RP-005)

Calculated Cot Surface Area/cm<sup>2</sup> = 88

Size Microns	Particles/ 25ml Per Cot (Corrected)	Particles/ 700ml Per Cot (Statistical)	Particles/cm <sup>2</sup> Of Cot Area
0.5-1.0µm	1,351	37,831	430
1.0-2.0µm	461	12,902	147
2.0-5.0µm	475	13,294	151
5.0-10.0µm	162	4,525	51
10.0-20.0µm	25	708	8
OVER 20.0µm	<u>10</u>	<u>274</u>	<u>3</u>
Average Total	2,483	69,535	790

**Extract Analysis:**                      Extracted In DI Water, 10 Minutes at Ambient Temperature

Component	Method	MDL (ug/cot)	Concentration ug/cot	ug/gram
Calcium	215.1	0.2	22	51
Chloride	300.0	0.9	2.1	4.9
Magnesium	242.1/7450	0.015	3.9	9.1
Potassium	258.1/7610	0.06	3.3	7.7
Silicon	370.1	0.05	ND	ND
Sodium	273.1	0.02	1.3	3
Sulfate	300.0	1.25	ND	ND
TNVR	160.4	50	ND	ND

MDL: Method Detection Limit

ND: Not Detected in this analysis, or less than the method detection limit.

TNVR: Total Nonvolatile Residue

Sample Weight: 0.43 grams