



PAPER PAINT STRAINER TECHNICAL BULLETIN

We Offer New Age Paint Filtration Disposable Paper Paint Strainers that are used for filtering Paints & Clear Coats to remove any kind of contamination in Water based or Solvent based Paint. These are made under strict quality control & under Dry Non Humid Conditions. These Paper Paint Strainers can be used in Auto Repair Industry, Paint Booth, and Aerospace Finishes. These Paper Paint Strainers are made with Non-lint Fabric & Paper thickness that can hold Paint for Longer time. These Paper Paint Strainers are also suitable for Waterborne, solvent borne & ceramic paints. These Paper Paint Strainers are available in various mesh size's to suit your requirement as per chart below.

**Mesh Size Chart
as per Automotive Solutions Testing's**

| Mesh | Microns ± 5 Polyester | Microns ± 10 Nylon |
|------|------------------------------|---------------------------|
| 80 | 185 | 164 |
| 120 | 120 | 140 |
| 150 | 105 | 89 |
| 200 | 63 | 78 |
| 400 | 43 | 57 |
| 600 | 17 | 46 |

Polyester Fabric will have more accuracy as compared to Nylon Filter

MESH SIZE CHART SPECIFICATION

| <u>INDIA</u> | | <u>G.Britain</u> | | <u>U.S.A.</u> | |
|--------------------|-----|--------------------|-----|--------------------|-----|
| <u>IS</u> | | <u>B.S. 410</u> | | <u>ASTM B-11</u> | |
| <u>1962</u> | | <u>1969</u> | | <u>1969</u> | |
| <u>Micron:Mesh</u> | | <u>Micron:Mesh</u> | | <u>Micron:Mesh</u> | |
| 25 | 500 | | | | |
| 36 | 400 | 38 | 400 | 38 | 400 |
| 53 | 300 | 53 | 300 | 53 | 270 |
| 75 | 200 | 75 | 200 | 75 | 200 |
| 106 | 150 | 106 | 150 | 106 | 140 |
| 125 | 120 | 125 | 120 | 125 | 120 |
| 180 | 80 | 180 | 85 | 180 | 80 |

As per our Cloth Manufacturer the mesh size can have $\pm 15\%$ Deviation in Nylon.



PAPER SPECIFICATION OF PAPER PAINT STRAINER.

| KIND OF TEST | | UNIT | Test Method Reference | 170(Gloss) | Tolerance |
|-------------------|-----|--------------------|-----------------------|------------|---------------------------------------|
| GRAMMAGE | | Gsm | T-410 om-93 | 170 | Less than 130±4%, 130 and above ±2.5% |
| BULK | | Cc/Gm | T-411 om-89 | 0.83 | ±0.03 |
| BENDING STIFFNESS | MD | Mn | T-836 pm-95 | 360 | Min. |
| 10mm, 300 angle | CD | Mn | | 210 | Min. |
| BREAKING LENGTH | MD | Mts. | T-494 om-88 | 4500 | ±500 |
| | CD | Mts. | | 2000 | ±500 |
| ISO BRIGHTNESS | | % | T-452 om-92 | 88 | ±1 |
| ISO GLOSS AT 75° | | % | T-480 om-92 | 75 | ±5 |
| PARKER PRINT SURF | T/B | μ | T-555 pm-94 | 0.90 | Max. |
| IGT (MVO) | MD | Cm/Se _c | T-514 cm-92 | 110 | Min. |
| SURFACE pH | T/B | | T-529 om-88 | 7 - 8 | - |

Adhesive Specifications used for Paper Paint Strainer

| Inspection | Inspection Method | Value |
|--|-------------------|--------------------------------|
| Solid Content | BPL Method | > 54.5 wt. % |
| Viscosity at 25 °C | BPL method | 3,500 – 4,500 cps |
| Ph | BPL method | 4.0-6.0 |
| Density at 20 °C | BPL method | approx. 1,07 g/cm ³ |
| Minimum film forming temperature | BPL method | 0 °C |
| Frost resistance | BPL method | protect from freezing |
| predominant particle size | | approx. 1,000 nm |
| Protective colloid / emulsifier system | | PVOH |
| Filler and pigment compatibility | | very good |
| Appearance | | clear, glossy |
| Surface | | Slight Dry Tack |
| Tensile strength | | approx. 5 N/mm ² |
| Elongation at break | | approx. 600 % |
| Glass transition temperature | | approx. 0±2 °C |



AUTOMOTIVE SOLUTIONS

(ISO-9001:2008 CERTIFIED COMPANY)

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TEST FOR OIL & SILICON PRESENCE IN PAPER PAINT STRAINER.

| Sr | Test Parameters | Result | Test Method |
|----|--|--------|-------------|
| 1 | Oil content, % by mass | Absent | AOAC 920.85 |
| 2 | Silicon Migration test(with Filtration) | Nil | In House. |

Presently these paper strainers are available in India through our dealer network & our online store www.buypaintsonline.com

Applications Area's

1. Paint Industry
2. Automotive Industry
3. Aviation Industry
4. Ceramic Industry
5. Wooden Industry
6. Pigment Manufacturing Industry
7. Ceramic Coating

Fine Filtration Range Available with Automotive Solutions

| Microns ± 5 | Type |
|-----------------|--------------------|
| 5 | CHEMICAL RESISTANT |
| 15 | CHEMICAL RESISTANT |
| 25 | NORMAL |
| 35 | NORMAL |
| 50 | NORMAL |

Box Specifications

Product Code ; AS-PS

Packing: (1 Carton = 250 Pcs X 4 Slots)

Carton Weight : 8.5 Kg x 5 = 42.50 Kg

Dimensions (cms) 34.5 X 34.5 X 36.0 per Carton

Test Report issued on Request only.

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