



## PRODUCT OVERVIEW

### DESCRIPTION

Ricoh's SYN-1 is a premium BOPP film-based synthetic label stock, boasting a robust 3.9 mil caliper for exceptional durability and resilience. With superior printability and resistance to environmental factors, SYN-1 delivers a reliable labeling solution designed to meet the demands of diverse industries and applications. Syn-1 is completely phenol free to ensure legislative compliance.

### Features & Benefits:

- Completely Phenol Free Synthetic, film-based product with a matte finish
- Superior image performance under harsh weathering and high temperatures
- Thicker caliper allows for increased durability



## SYN-1 SPECIFICATIONS

### FACESTOCK PROPERTIES

| ITEM             | UNIT                   | SPECIFICATION        | TEST METHOD |
|------------------|------------------------|----------------------|-------------|
| Basis Weight     | lbs (24x36x500 sheets) | 46.7 ± 4.9           | TAPPI T-410 |
|                  | g/m <sup>2</sup>       | 76 ± 8.0             |             |
| Caliper          | mil                    | 3.94 ± 0.20          | TAPPI T-411 |
|                  | µm                     | 100 ± 5              |             |
| Tensile Strength | MD                     | kg / mm <sup>2</sup> | ASTM D-882  |
|                  | CD                     | kg / mm <sup>2</sup> |             |
| Stiffness        | MD                     | gf-cm Minimum        | TAPPI T-489 |
|                  | CD                     | gf-cm Minimum        |             |

### LAMINATED PRODUCT

| GRADE                           | UNIT             | G12        |   |
|---------------------------------|------------------|------------|---|
| Application                     | °F               | -40 to 122 | Liner: 40 lbs<br>Caliper: 2.5 mils ± 10% (64 ± 8 µm)<br>Opacity: 65% Maximum (Photovolt)<br><br><b>Adhesive Attributes:</b><br>G12 – Wide Temperature and Permanent |
| Temperature                     | °C               | -40 to 50  |   |
| Service                         | °F               | -65 to 131 |   |
| Temperature                     | °C               | -54 to 55  |   |
| Basis Weight<br>(24 x 36 x 500) | lbs              | 100± 10    |   |
|                                 | g/m <sup>2</sup> | 162 ± 17   |   |
| Caliper                         | µm               | 174 ± 21   |   |
|                                 | mil              | 6.8 ± 0.8  |   |

## CERTIFICATES / REGULATIONS / DIRECTIVES

Completely Phenol Free

No Added PFAS

ISO9001

ISO14001

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## CONTACT INFORMATION

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