

# CleanSlate™ Film E

Part of the EarthChem™ Portfolio



LONG-TERM INDOOR & OUTDOOR APPLICATIONS • INDUSTRIAL APPLICATIONS



## Environmental Durability

High level of resistance to sunlight. A varnish is recommended for increased resistance to water.



## Heat Stability

Heat stable for 24 hours, up to 165 degrees Fahrenheit.



## Fade-Proof Image

The new image is permanent, with no fade from UV lighting and humidity.



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## Easily switch to this revolutionary product hassle-free!

For direct thermal users that value dependable and fade-proof images, Appvion's CleanSlate™ Film E enhances traditional direct thermal performance by delivering expanded environmental durability and heat stability for indoor and outdoor applications. CleanSlate™ is made with a nonreactive chemistry, making it free from BPA and BPS. It can be used in standard direct thermal printers for pressure-sensitive labels and ticket and tag applications.

# CleanSlate™ Film E



## Label Facestock



## Key Features

- Higher level of environmental resistance to direct sunlight, humidity, and heat
- Made without chemical developers (BPA, BPS, and other phenols)
- Permanent image that will not fade
- Compatible with standard thermal printers

## Applications

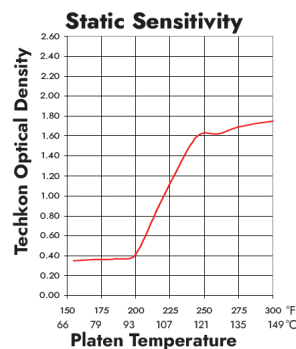
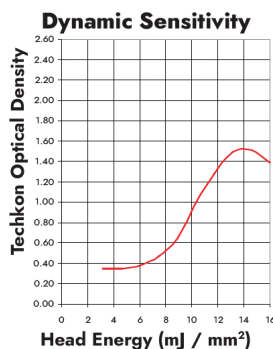
- Long-term indoor and outdoor applications
- Industrial applications
- Horticulture



A direct thermal film technology that delivers environmental durability and heat stability for indoor and outdoor applications made with more natural components.

## Product Characteristics – Preliminary Data

<b>Caliper</b> (mils/μm)	3.1 ± 0.34 78.7 ± 7.8
<b>Basis Weight</b> 17 x 22 – 500 lbs g/m2	15.8 ± .80 59.5 ± 3.0
<b>Thermal Response - Nominal</b>	
<b>Static</b> (°C ± 5°)	
0.4 ODU	86° C
1.0 ODU	106 C
Maximum Density (ODU)	1.75
Temperature Required	149° C
<b>Dynamic—Atlantek 400</b> (mj/mm2)	
Initial Printer Energy 0.4 ODU	6.0
1.0 ODU	10.3
Maximum Density (ODU)	1.5
Energy Required	14.5
<b>Brightness</b> (UV Excluded)	>45
<b>Gurley Stiffness Nominal</b> (mg)	MD 27 CD 39
<b>Elmendorf Tear Nominal</b> (g)	MD 27 CD 20
<b>Parker Print Surface</b>	>1.40



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