

# Royale 800-4.5

RACE TRACKS • OTB PARLORS • ONLINE LOTTERY • SLOT MACHINES • CASINOS

A premium gaming ticket grade, this product is ideal for applications requiring high image performance and durability. The product offers rich, dark thermal imaging that results in superior scanning. The thermal image of this product will remain legible for at least 20 years if maintained at the recommended conditions.\*\*

## GAMING PRODUCTS



## Key Features

- Topcoated for resistance
- Press printable on front and back
- 800-sensitivity
- Excellent bar code scanning
- Quality feel and stiffness for coinless gaming and vertical ticket issue
- Good fan-folding characteristics

## Applications

- Coinless slot tickets
- Tote/wagering tickets

\*\* The thermal image will remain legible for at least 20 years provided the image is fully developed on the recommended thermal printer and the document is only stored with compatible materials under normal filing conditions. Maintain at the relative humidity between 45 to 65 percent and temperatures below 77° F (25 °C).

Use of Appvion's thermal products in processing, equipment, end-use of other applications for which they were not intended voids all warranties.

\*Data listed are preliminary values based on initial production. Final values will be published at a later date.  
Appvion has transitioned to the Techkon densitometer, from the Gretag densitometer, on December 3, 2019.  
Publication Date: November 2019 © 2019 Appvion Operations, Inc.  
Data is for reference only. May be subject to alterations.

## PRODUCT CHARACTERISTICS

### \*PRELIMINARY DATA

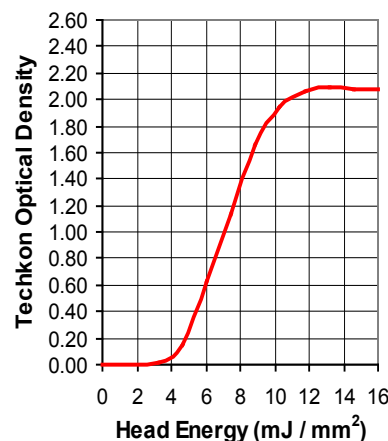
Caliper (mils/ $\mu$ m)	4.35 $\pm$ 0.22/110 $\pm$ 6
Basis Weight	
17 x 22-500 (lbs)	25.2 $\pm$ 1.3
g/m <sup>2</sup>	94.7 $\pm$ 4.7

#### Thermal Response - Nominal

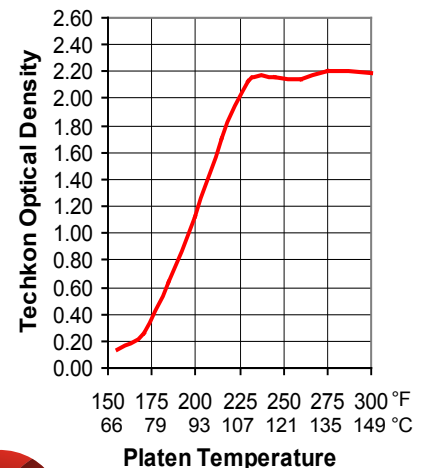
<b>Static</b> ( $^{\circ}$ C $\pm$ 5 $^{\circ}$ )	
0.2 ODU	72
1.0 ODU	92
Maximum Density (ODU)	2.2
Temperature Required	149
<b>Dynamic</b> -Atlantek 400 (mJ/mm <sup>2</sup> )	
0.2 ODU	4.8
1.0 ODU	7.0
Maximum Density (ODU)	2.1
Energy Required	13.1

Brightness (UV Included)	>90
Gurley Stiffness Nominal (mg)	MD 220 CD 115
Elmendorf Tear Nominal (g)	MD 72 CD 85
Tensile Nominal (lbs/inch)	MD 35 CD 16
Parker Print Smoothness	<1.50

#### Dynamic Sensitivity



#### Static Sensitivity



# APPVION