

# Royale<sup>®</sup> 800-4.5 E

Gaming Product



Royale<sup>®</sup> 800-4.5 E is a premium-grade thermal paper designed for gaming ticket applications that demand high image quality and durability. It delivers rich, dark thermal imaging for excellent scan performance. When stored under recommended conditions, the image remains legible for an extended period.

## Key Features

- Made with our EarthChem<sup>™</sup> chemistry with no added phenols
- **Durable & Dual-Sided:** Topcoated for resistance and printable on both sides for added versatility
- **High-Speed Imaging:** 800 sensitivity ensures fast, rich thermal imaging with excellent barcode readability
- **Optimized for Gaming:** Engineered stiffness and feel support coinless and vertical ticketing systems
- **Reliable Handling:** Designed for smooth, consistent fan-folding
- **Safe & Sustainable:** BPA/BPS-free formulation for responsible use

## Applications

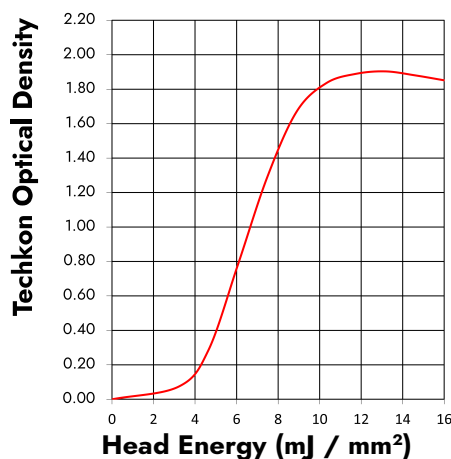
- Coinless slot machine tickets
- Tote and wagering tickets



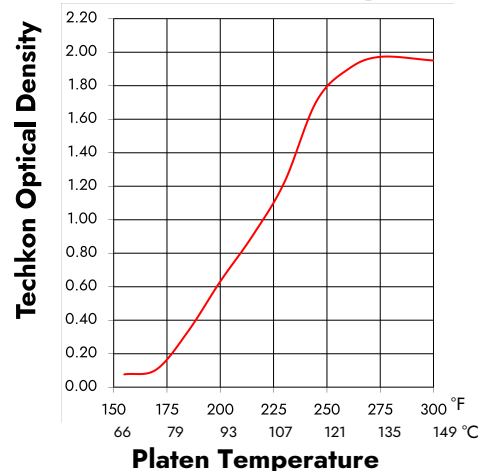
## Product Characteristics — Provisional Data

Caliper (mils/ $\mu$ m)	4.4 $\pm$ 0.2/112 $\pm$ 5
Basis Weight	
17 x 22–500 (lbs)	25.3 $\pm$ 1.3
g/m <sup>2</sup>	95 $\pm$ 4.8
Thermal Response - Nominal	
Static ( $^{\circ}$ C $\pm$ 5 $^{\circ}$ )	
Initial 0.2 ODU	81 $^{\circ}$ C
Functional 1.0 ODU	105 $^{\circ}$ C
Maximum 1.95 ODU	135 $^{\circ}$ C
Dynamic—Atlantek 400 (mJ/mm <sup>2</sup> )	
Initial 0.2 ODU	4.3
Functional 1.0 ODU	6.8
Maximum 1.9 ODU	14.6
Brightness (UV Excluded)	>78
Gurley Stiffness Nominal (mg)	MD 195 CD 90
Elmendorf Tear Nominal (g)	MD 70 CD 80
Tensile (lbs/in)	MD 32 CD 16
Parker Print Surface	<1.6

## Dynamic Sensitivity



## Static Sensitivity



APPVION

©2026 Appvion, LLC. Data is for reference only. May be subject to alterations. \*Use of Appvion's direct thermal products in processing, equipment, end-use, or other applications for which they were not intended voids all warranties.

Appvion, LLC • 825 East Wisconsin Avenue • Appleton, Wisconsin 54911 • (877) 768 – 8399 • [appvion.com](http://appvion.com)