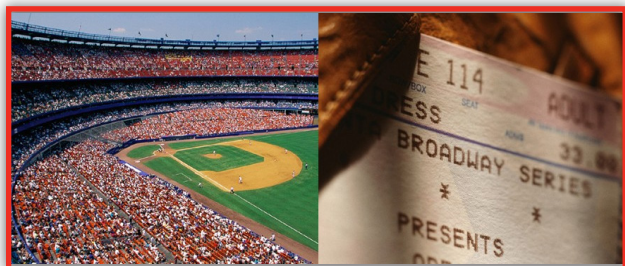


# PolyTherm® UV 190-4.1

THEME PARKS • SPORTING ARENAS • MUSEUMS • EXHIBITION CENTERS

A topcoated, synthetic thermal facestock with high durability and resistance properties, specially designed for wristband applications. This product is engineered to accept UV varnish overcoat for additional resistance, specifically for highly demanding applications such as water parks.

## ENTERTAINMENT PRODUCTS



## Key Features

- Synthetic film based-BOPP
- High strength and durability
- Water resistance
- Excellent environmental resistance
- Rich, dark images and codes
- UV curing overcoat capable

## Applications

- Wristbands
- Suitable for high-energy printers only

## PRODUCT CHARACTERISTICS

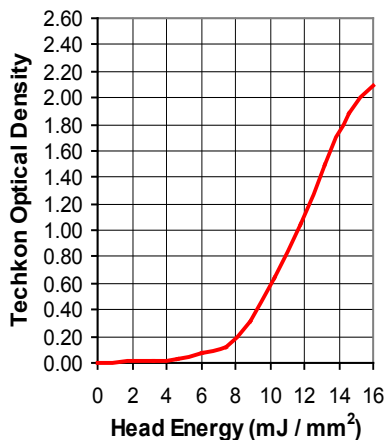
### PRELIMINARY DATA

Caliper (mils/ $\mu$ m)	4.09 $\pm$ 0.35/104 $\pm$ 10.0
Basis Weight	
17 x 22-500 (lbs)	21.8 $\pm$ 0.8
g/m <sup>2</sup>	82.0 $\pm$ 3.0

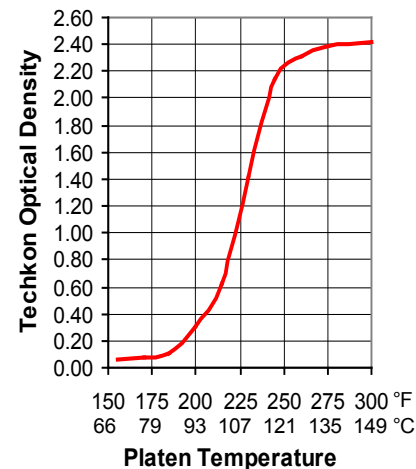
Thermal Response - Nominal	
<b>Static</b> ( $^{\circ}$ C $\pm$ 5 $^{\circ}$ )	
0.2 ODU	88
1.0 ODU	106
Maximum Density (ODU)	2.4
Temperature Required	149
<b>Dynamic</b> -Atlantek 400 (mJ/mm <sup>2</sup> )	
0.2 ODU 5.1	8.0
1.0 ODU 6.9	11.7
Maximum Density (ODU)	2.1
Energy Required	16.0

Brightness (UV Included)	>90
Gurley Stiffness Nominal (mg)	MD 79
	CD 120
Elmendorf Tear Nominal (g)	MD 44
	CD 37
Parker Print Smoothness	<1.10

### Dynamic Sensitivity



### Static Sensitivity



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

Appvion has transitioned to the Techkon densitometers, 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.



# APPVION