

# Alpha<sup>®</sup> 180-3.3

PHARMACY • MANUFACTURING • FOOD PACKAGING • WAREHOUSING

A 180-sensitivity, non-topcoated thermal label facestock designed for short duration applications in dry environments and where scuff resistance is desirable.

## LABEL FACESTOCK



## Key Features

- Non-topcoated product
- Scuff resistant
- Imaging speed up to 4 ips
- 180-sensitivity

## \*Applications

- Short-duration labeling
- Distribution and logistics labels

\*Non-topcoat grades are not compatible for offset printing. Do not work with UV overprint varnish. Inks and varnishes can have tendency to develop printhead residue with non-topcoat grades. Testing is recommended to determine suitability.

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

Appvion has transitioned to the Techkon densitometer, from the Gretag densitometer, on December 3, 2019.

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Data is for reference only. May be subject to alterations.

## PRODUCT CHARACTERISTICS

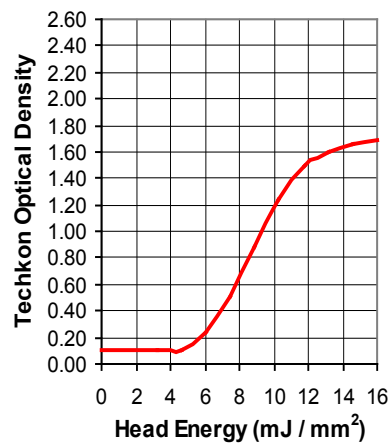
### PRELIMINARY DATA

Caliper (mils/μm)	3.30 ± 0.30/84.0 ± 5
Basis Weight	
17 x 22-500 (lbs)	20.2 ± 1.1
g/m <sup>2</sup>	75.9 ± 4.0

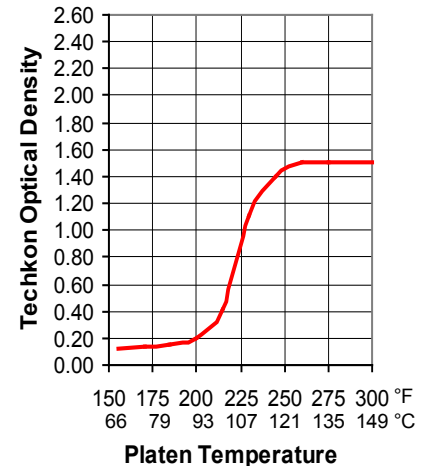
Thermal Response - Nominal	
<b>Static</b> (°C ± 5°)	
0.2 ODU	93
1.0 ODU	108
Maximum Density (ODU)	1.51
Temperature Required	135
<b>Dynamic</b> -Atlantek 400 (mJ/mm <sup>2</sup> )	
0.2 ODU	5.9
1.0 ODU	9.1
Maximum Density (ODU)	1.69
Energy Required	16.0

Brightness (UV Excluded)	>85
Gurley Stiffness Nominal (mg)	MD 90
	CD 45
Elmendorf Tear Nominal (g)	MD 43
	CD 44
Tensile (lbs/in)	MD 35
	CD 16
Parker Print Smoothness	<2.05

### Dynamic Sensitivity



### Static Sensitivity



# APPVION