

OPTIMA[®] S ULTRASOUND PAPER

CLINICS • HOSPITALS • TESTING • FACILITIES • OFFICES

PRODUCT CHARACTERISTICS

PRELIMINARY DATA*

A high sensitivity topcoated synthetic direct thermal print media designed specifically for use in video printers for ultrasound applications requiring a standard/matte finish (S).

Caliper (mils/ μ m)	3.2 \pm 0.15/81 \pm 3.8
Basis Weight	
17 x 22–500 (lbs)	18.1 \pm 0.9
g/m ²	68.0 \pm 0.4

MEDICAL PRODUCTS



Thermal Response - Nominal	
Static ($^{\circ}$ C \pm 5 $^{\circ}$)	
0.2 ODU	70
1.0 ODU	83
Maximum Density (ODU)	2.09
Temperature Required	149
Dynamic –Atlantek 400 (mJ/mm ²)	
0.2 ODU	6.1
1.0 ODU	7.2
Maximum Density (ODU)	2.06
Energy Required	16.0

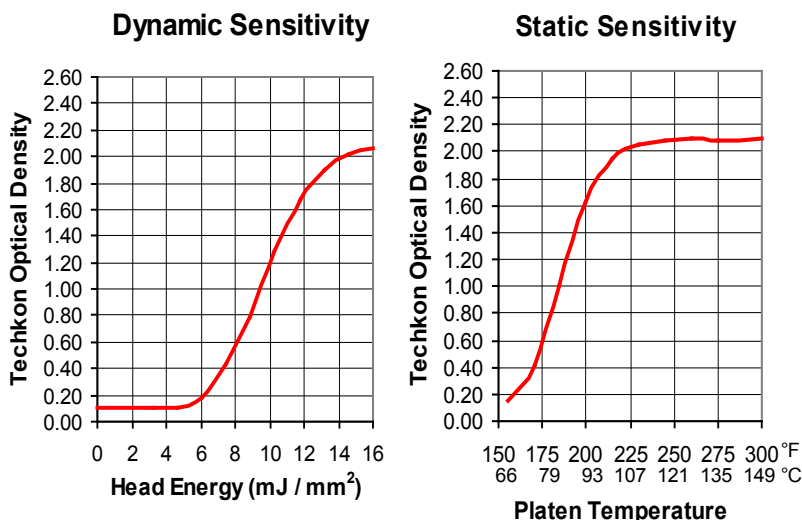
Brightness (UV Included)	>90
Gurley Stiffness Nominal (mg)	MD 79
	CD 120
Elmendorf Tear Nominal (g)	MD 26
	CD 14
Parker Print Smoothness	<1.60

Key Features

- Synthetic base (polypropylene film)
- High quality grayscale imaging
- Excellent tear resistance
- Environmental resistance to water, fingerprints, and ultrasound gel drops
- Heat and humidity resistance

Applications

- Ultrasound paper used with video printers for printouts of detailed medical images



*Data listed are preliminary values based on initial production. Final values will be published at a later date.

Use of Appvion Inc.'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: December 2019 © 2019 Appvion Operations, Inc. Data is for reference only. May be subject to alterations.



APPVION