

OPTIMA[®] S ULTRASOUND PAPER

CLINICS • HOSPITALS • TESTING FACILITIES • OFFICES

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).

MEDICAL PRODUCTS



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

This direct thermal film stock has not been evaluate by the Food and Drug Administration. The direct thermal film stock is not intended to diagnose, treat, cure or prevent any disease. Appvion, Inc. is not responsible or liable for any advice, course of treatment, diagnosis or other information communicated by use of this direct thermal film stock Appvion, Inc.

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

Publication Date: June 2018© 2018 Appvion Operations, Inc.
Data is for reference only. May be subject to alterations.

PRODUCT CHARACTERISTICS

PRELIMINARY DATA

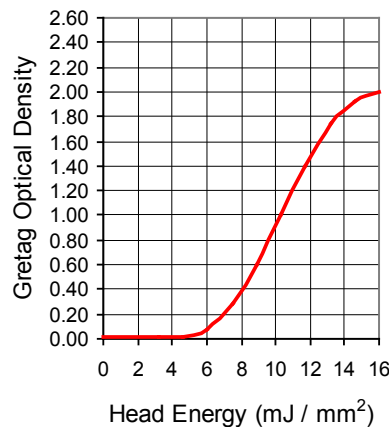
Caliper (mils/ μ m)	3.2 \pm 0.15/81 \pm 3.8
Basis Weight	
17 x 22-500 (lbs)	18.1 \pm 0.9
g/m ²	68.0 \pm 0.4

Thermal Response - Nominal

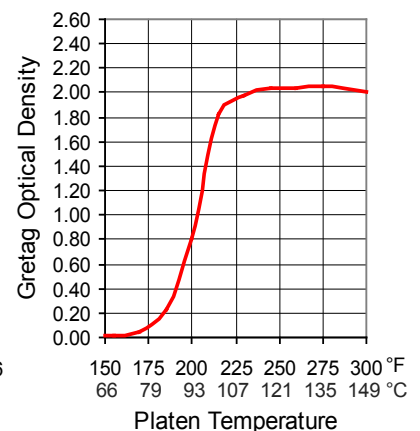
Static ($^{\circ}$ C \pm 5 $^{\circ}$)	
0.2 ODU	75
1.0 ODU	88
Maximum Density (ODU)	2.05
Temperature Required	135
Dynamic -Atlantek 400 (mJ/mm ²)	
0.2 ODU	7.0
1.0 ODU	10.3
Maximum Density (ODU)	2.00
Energy Required	16.0

Brightness (UV Included)	>90
Gurley Stiffness Nominal (mg)	MD 27 CD 51
Elmendorf Tear Nominal (g)	MD 28 CD 16
Parker Print Smoothness	<1.40
Gloss (85 $^{\circ}$ Angle of Incidence)	35%

Dynamic Sensitivity



Static Sensitivity



APPVION