

PolyTherm® 190-4.1

PHARMACY • MANUFACTURING • FOOD PACKAGING • WAREHOUSING

A topcoated, synthetic thermal label facestock with high durability and resistance properties, as well as controlled bar width growth.

SYNTHETIC LABEL FACESTOCK



Key Features

- Synthetic film based-BOPP
- High strength and durability
- Controlled bar width growth for high energy printers
- Water resistance
- Excellent environmental resistance
- Rich, dark images and codes

Applications

- Airline baggage tags
- Suitable for high-energy printers only

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.

PRODUCT CHARACTERISTICS

PRELIMINARY DATA

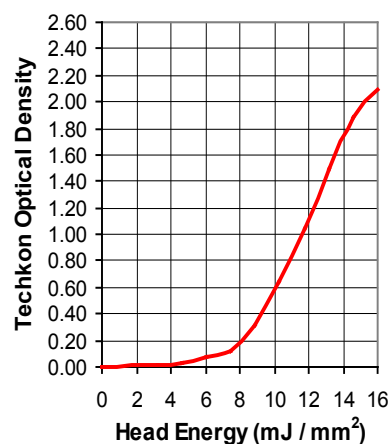
Caliper (mils/μm)	4.09 ± 0.35/104 ± 10.0
Basis Weight	
17 x 22-500 (lbs)	21.8 ± 0.8
g/m ²	82.0 ± 3.0

Thermal Response - Nominal

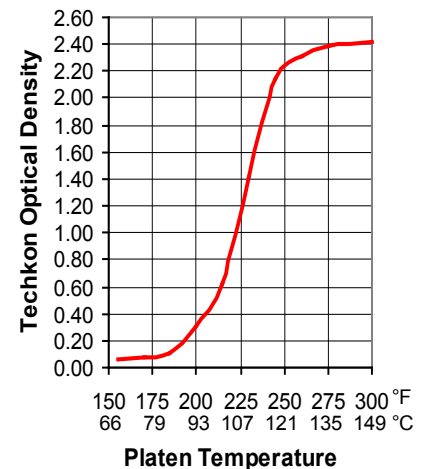
Static (°C ± 5°)	
0.2 ODU	88
1.0 ODU	106
Maximum Density (ODU)	2.4
Temperature Required	149
Dynamic -Atlantek 400 (mJ/mm ²)	
0.2 ODU	8.0
1.0 ODU	11.7
Maximum Density (ODU)	2.1
Energy Required	16.0

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



APPVION