

# PolyTherm® 300 - 4.1 D

Synthetic Label Facestock



PolyTherm® 300-4.1 D is a topcoated, synthetic direct thermal label facestock with exceptional smoothness and resistance.

## Key Features

- Synthetic base (polypropylene film)
- High-durability
- Water resistance
- Environmental resistance
- Dark image

## Applications

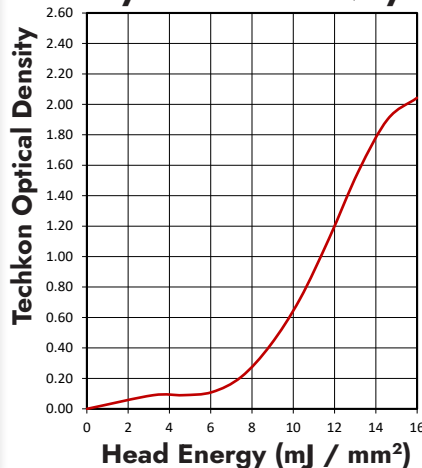
- Airline baggage tags
- Retail shelf labels
- Product labeling
- Industrial labels
- Parking violations
- Ski lift tickets
- Pharmaceutical labels



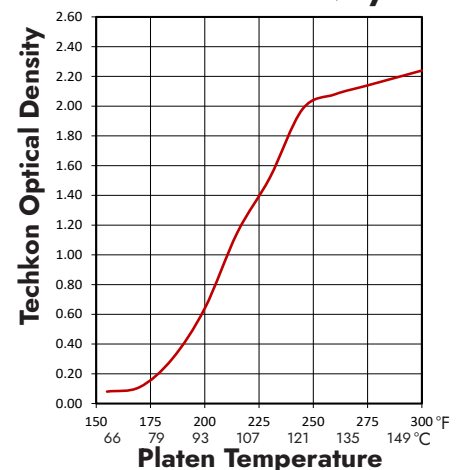
## Product Characteristics

<b>Caliper</b>	4.1 ± 0.4-0.3/104 ± 10
<b>Basis Weight</b>	
17 x 22–500 (lbs)	19.7 ± 1.1
g/m2	74 ± 4.0/-4.2
<b>Thermal Response - Nominal</b>	
<b>Static (°C ± 5°)</b>	
Initial 0.2 ODU	77° C
Functional 1.0 ODU	93° C
Maximum 2.26 ODU	149° C
<b>Dynamic—Atlantek 400 (mJ/mm2)</b>	
Initial 0.2 ODU	7.1
Functional 1.0 ODU	10.2
Maximum 2.17 ODU	16.0
<b>Brightness (UV Included)</b>	>90
<b>Gurley Stiffness Nominal (mg)</b>	MD 88 CD 128
<b>Elmendorf Tear Nominal (g)</b>	MD 31 CD 23
<b>Parker Print Surface</b>	<1.50

### Dynamic Sensitivity



### Static Sensitivity



©2025 Appvion, LLC. Data is for reference only. May be subject to alterations. \*Please note for best print-press performance, it is recommended that a water-based primer be applied prior to application of UV-cured inks. Use of Appvion's direct thermal products in processing, equipment, end-use, or other applications for which they were not intended voids all warranties.

