

PolyTherm® E 300-4.1D

Synthetic Label Facestock



PolyTherm® E 300-4.1D is a top-coated synthetic direct thermal label facestock offering exceptional durability and consistent bar code scannability.

Key Features

- Made with our EarthChem™ chemistry with no phenols added
- Polypropylene film base for strong, flexible durability
- Highly durable to resist tearing and abrasion
- Environmental resistance to chemicals, UV, and temperature
- Excellent resistance to alcohol and plasticizers

Applications

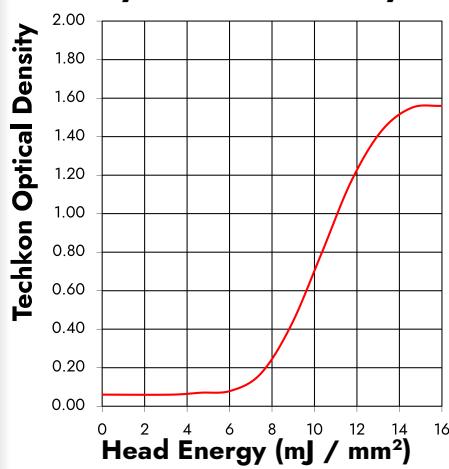
- Airline baggage tags
- Retail shelf and price labels
- Product and packaging labels
- Industrial and warehouse labeling
- Parking enforcement labels
- Ski lift and event tickets
- Pharmaceutical and healthcare labels



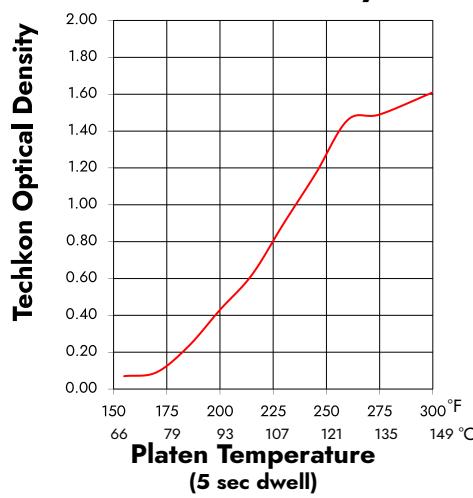
Product Characteristics — Provisional Data

Caliper (mils/ μ m)	4 ± 0.2/101.6 ± 5
Basis Weight	
17 x 22–500 (lbs) g/ m^2	19.5 ± 1 73.2 ± 3.7
Thermal Response - Nominal	
Static (°C ± 5°)	
Initial 0.2 ODU	84° C
Functional 1.0 ODU	113° C
Maximum 1.6 ODU	149° C
Dynamic—Atlantek 400 (mJ/mm²)	
Initial 0.2 ODU	7.7
Functional 1.0 ODU	11.1
Maximum 1.6 ODU	14.7
Brightness (UV Excluded)	>83
Gurley Stiffness Nominal (mg)	MD 63 CD 95
Elmendorf Tear Nominal (g)	MD 31 CD 23
Parker Print Surface	<1.7

Dynamic Sensitivity



Static Sensitivity



©2026 Appvion, LLC. Data is for reference only. May be subject to alterations. *Use of Appvion's direct thermal products in processing, equipment, end-use, or other applications for which they were not intended voids all warranties.

Appvion, LLC • 825 East Wisconsin Avenue • Appleton, Wisconsin 54911 • (877) 768 – 8399 • appvion.com