

PolyTherm® E 300-4.1D

Synthetic Label Facestock



PolyTherm® E 300-4.1D is a top-coated synthetic direct thermal 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

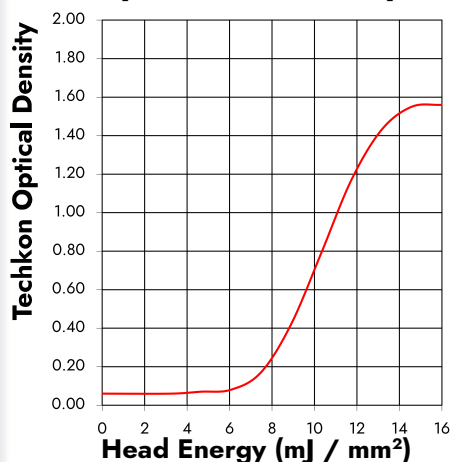
- Airline baggage tags
- Retail shelf and price labels
- Product and packaging labels
- Industrial and warehouse labeling
- Parking enforcement labels
- Ski lift and event tickets
- Pharmaceutical and healthcare labels



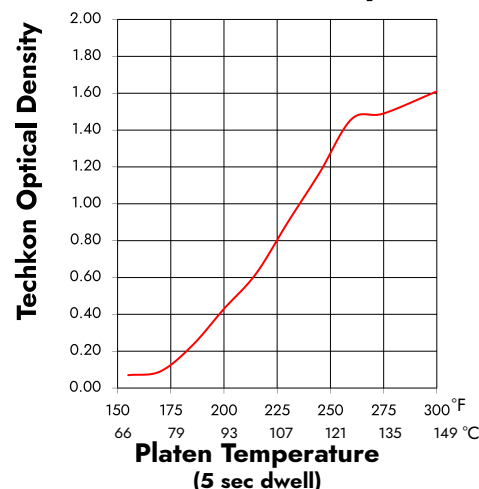
Product Characteristics — Provisional Data

| | |
|---|--|
| Caliper (mils/ μm) | $4 \pm 0.2/101.6 \pm 5$ |
| Basis Weight 17 x 22–500 (lbs) g/m ² | 19.5 ± 1 73.2 ± 3.7 |
| Thermal Response - Nominal Static ($^{\circ}\text{C} \pm 5^{\circ}$) Initial 0.2 ODU Functional 1.0 ODU Maximum 1.6 ODU | 84°C 113°C 149°C |
| Dynamic—Atlantek 400 (mJ/mm ²) Initial 0.2 ODU Functional 1.0 ODU Maximum 1.6 ODU | 7.7 11.1 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



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