

ThermaEndure™ Film 3.0

Synthetic Label Facestock



ThermaEndure™ Film 3.0 is a developmental-grade, top-coated BOPP film engineered to withstand elevated temperatures while delivering lasting image quality, reliable barcode performance, and enhanced label durability.

Key Features

- **Light and Heat Stability:** Maintains performance in environments up to 70°C
- **Indoor Use:** Scannable and human-readable for up to 2 years under typical warehouse conditions
- **Outdoor Use:** Scannable and human-readable for up to 9 months, depending on conditions. Use of an overprint varnish (OPV) is recommended

Applications

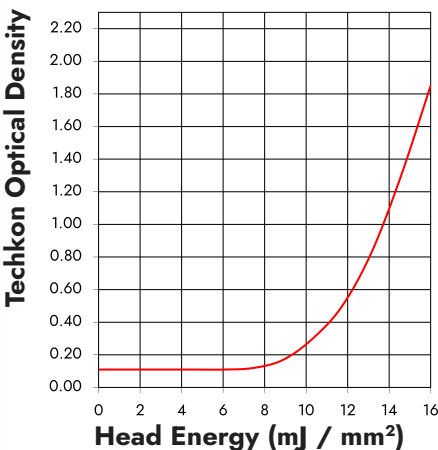
- Parking passes
- Auto rental tracking
- Long term/outdoor auto label
- Warehouse shelving
- Asset tracking
- Lumber labels
- Horticulture labels



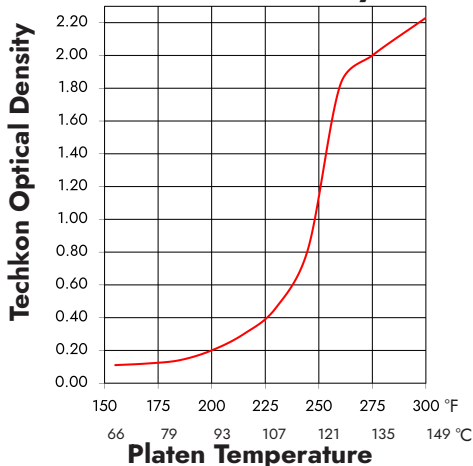
Product Characteristics — In Development

Caliper (mils)	3.0 ± 1/76.2 ± 10
Basis Weight	
17 x 22–500 (lbs)	14.8 ± 0.7
g/m ²	55.5 ± 2.8
Thermal Response - Nominal	
Static (°C ± 5°)	
Initial 0.2 ODU	93° C
Functional 1.0 ODU	120° C
Maximum 1.9 ODU	149° C
Dynamic—Atlantek 400 (mj/mm ²)	
Initial 0.2 ODU	9.2
Functional 1.0 ODU	13.8
Maximum 1.9 ODU	16
Gurley Stiffness Nominal (mg)	MD 27 CD 39
Elmendorf Tear Nominal (g)	MD 27 CD 20
Parker Print Surface	<1.7

Dynamic Sensitivity



Static Sensitivity



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