

Duratek Labels.

Technical Data Sheet

Polymaid Label – Durable Film with Liner (Product Number: DL1602)

1. Product Description

Duratek Polymaid Labels are high-performance film-based labels designed for applications requiring durability, moisture resistance, and long-term adhesion. Constructed with a synthetic polyolefin or polypropylene (PP) face stock, these labels are engineered for both indoor and outdoor use, providing excellent resistance to tearing, chemicals, and environmental exposure. Supplied with a stable release liner for smooth die-cutting and label dispensing.

2. Construction

Layer	Material	Key Properties
Face Stock	Polyolefin / PP synthetic film (50–70μ)	Tear-resistant, moisture-proof, printable
Adhesive	Permanent acrylic / hotmelt adhesive	Strong adhesion to plastics, metals, cartons
Liner	Glassine / PET liner (60–80 gsm)	Good stability for high-speed die-cutting

3. Key Features

- Durable Film: Resistant to moisture, oils, and chemicals.
- Flexible: Conforms to curved or irregular surfaces.
- High Print Quality: Compatible with thermal transfer, flexo, UV, and digital printing.
- Outdoor Use: UV-resistant grades available.
- Customizable: Can be supplied in rolls or sheets, plain or pre-printed.

4. Typical Applications

- FMCG packaging (shampoo, detergent, food containers)
- Durable product branding labels
- Logistics and transport labels
- Medical and healthcare packaging
- Household and chemical container labels

5. Technical Performance

Property	Typical Value	Test Method
Face Stock Thickness	50–70 µm	Caliper
Adhesion (Initial)	8–12 N/25mm	PSTC-1
Peel Adhesion (24 hrs)	12–16 N/25mm	PSTC-1
Service Temperature	-10°C to +80°C	Internal method
Application Temperature	≥5°C	Internal method
Printability	Thermal transfer, flexo, UV, digital	In-house test

6. Shelf Life & Storage

- Shelf Life: 12 months from manufacturing date.
- Storage Conditions: Store at 22°C ± 2°C, 50–55% RH, away from sunlight and heat.

7. Compliance

- Food-contact safe grades available (on request).
- RoHS & REACH compliant.
- Halogen-free adhesive systems available.

Disclaimer

The above values are typical and not guaranteed. End users should confirm product suitability for specific applications prior to large-scale use.