

Duratek Labels.

Technical Data Sheet (Product Number: DL1605)

Duratek PET Chrome Labels

1. Product Description

Duratek PET Chrome Labels are durable metallic-finish labels made from high-strength polyester film with a chrome (mirror or brushed metallic) surface. They are designed for premium branding, rating plates, and long-life identification applications requiring resistance to harsh environments, abrasion, and chemicals.

2. Construction

Layer	Material	Key Properties
Face Stock	Polyester (PET) chrome film, 50–70 µm	Glossy or brushed chrome finish, dimensional stability, printable
Adhesive	Permanent acrylic adhesive	High adhesion to metals, plastics, and painted surfaces
Liner	Glassine or PET release liner, 60–80 gsm	Consistent die-cutting, easy application

3. Key Features

- Premium chrome-like appearance (glossy or brushed effect)
- Excellent dimensional stability and durability
- High scratch, abrasion, and chemical resistance
- Permanent adhesive for long-lasting bonding
- Compatible with thermal transfer, screen, and UV printing
- Suitable for variable data printing (barcodes, QR codes, serial numbers)
- Customizable in **silver, matte chrome, or brushed metallic finishes**

4. Typical Applications

- Branding and decorative labels

- Rating plates and compliance labels
- Automotive nameplates and trim labels
- Appliance, electronics, and machinery labelling
- Asset identification and inventory management
- Promotional stickers with premium metallic finish

5. Technical Performance

Property	Value	Test Method
Face Stock Thickness	50–70 µm	Caliper
Adhesive Peel Strength	14–18 N/25mm	PSTC-1
Temperature Resistance	-20°C to +120°C (long term)	Internal validation
Short-term Resistance	Up to +150°C	Heat test
Chemical Resistance	Resistant to oils, fuels, cleaning agents	In-house test
Weather Resistance	>2 years outdoor durability	Accelerated aging
Print Compatibility	Thermal transfer, UV, screen	In-house test

6. Shelf Life & Storage

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

7. Compliance

- RoHS & REACH compliant
- Halogen-free adhesive system
- UL & CSA recognition available upon request

Disclaimer

The above values are typical and not guaranteed. Users must validate suitability for their specific application before use.