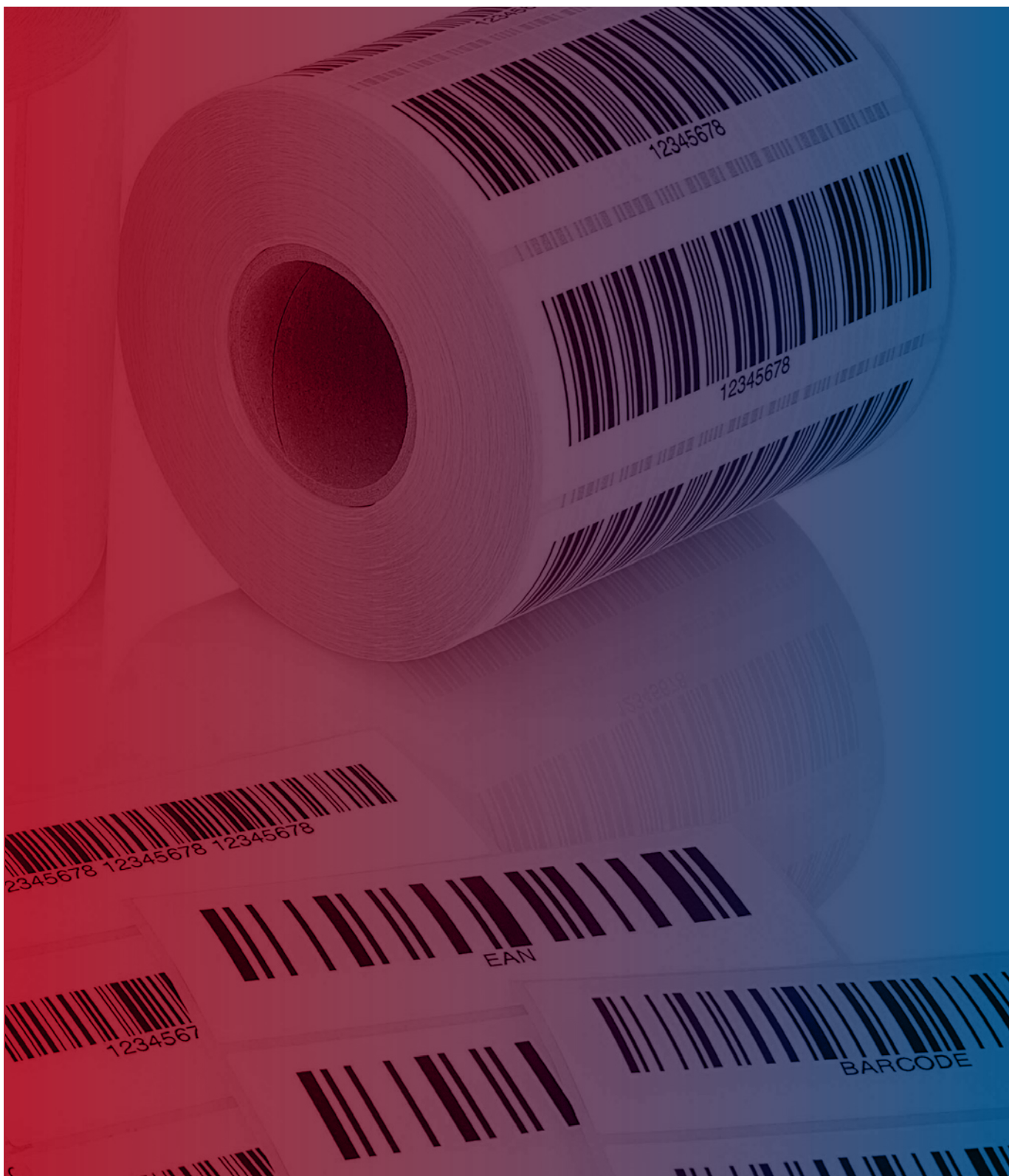


Melinex®

The industry standard for facestock and overlamination



Why DuPont Teijin Films?

One of the longest established PET suppliers into the label facestock market

- Long term commitment to the labels industry
- Reliability and stability of supply are our key priorities

Excellent service levels from local European supplier

- Call off and parent reel stock as appropriate to give excellent response to unforecast demand
- Low minimum order quantity

High levels of quality and product consistency

- Control of change driven by significant sales of similar grades into medical market
- ISO 9001:2008 and BRCIoP accreditation

Commitment to product stewardship and sustainability

- Dedicated product stewardship resource to assist customers with compliance
- EcoVadis Sustainability Rating – Gold Award

Backed up by one of the most extensive range of films in the industry:

Film Type	Thickness (Micron)	Properties	Typical Applications
Melinex® 313	12-23	Clear film, 1 side adhesion pretreat	Durable labels for consumer electronics, automotive, pharmaceutical, cosmetics, baggage tags, screen protection, chemical drums
Melinex® 329	36-175	High opacity, high gloss, pearly white, untreated	
Melinex® 329F	36-125	Variant of Melinex® 329 for low temperature food contact applications	
Melinex® 339	36-250	High opacity, high gloss, pearly white, 2 side adhesion pretreat	
Melinex® 339F	36-125	Variant of Melinex® 339 for low temperature food contact applications	
Melinex® 339LS	50-125	Variant of Melinex® 339 offering lower shrinkage properties than standard film. Ideal for high temperature applications	
Melinex® 384	50	Translucent matt film (c.40% gloss) for reverse metallisation to give aluminium effect labels	
Melinex® 401	50-100	High clarity film with a 1 side slip treatment for good handling properties	
Melinex® 405	23-96	High clarity film with very good handling properties, 1 side adhesion pretreat	
Melinex® 406	23-96	High clarity film with very good handling properties, 2 side adhesion pretreat	
Melinex® 418UV	23-50	Clear film with enhanced UV block and outdoor durability. One side adhesion pretreat	
Melinex® 427D	50	Glossy opaque black film, untreated	
Melinex® 475	50	Translucent white film, 2 side adhesion pretreat	
Melinex® 506	75-175	Optically clear film, 2 side adhesion pretreat	
Melinex® 721	50	Optically clear film, 1 side adhesion pretreat with superior adhesion to UV inks	
Melinex® 723	36-50	Optically clear film, 2 side adhesion pretreat with superior adhesion to UV inks	
Melinex® FR241	12-50	Clear film with VTM-0 Fire Retardance. One side adhesion pretreat	

Our films with PCR content:

Melinex® 318R	19-50	Clear film with 50% PCR content. One side adhesion pretreat	Durable labels for consumer electronics, automotive, pharmaceutical, cosmetics, baggage tags, screen protection, chemical drums
Melinex® 396R	36-50	Opaque white film with 30% PCR content. One side adhesion pretreat	

Why PET?

Durability

- PET is resistant to a wide range of chemicals making it excellent for highly demanding applications
- High levels of thermal and dimensional stability enabling use at elevated temperatures

Ease of processing

- Excellent stiffness lending itself to reliable high speed labelling processes
- Biaxial orientation gives good tensile properties and tear resistance

Performance

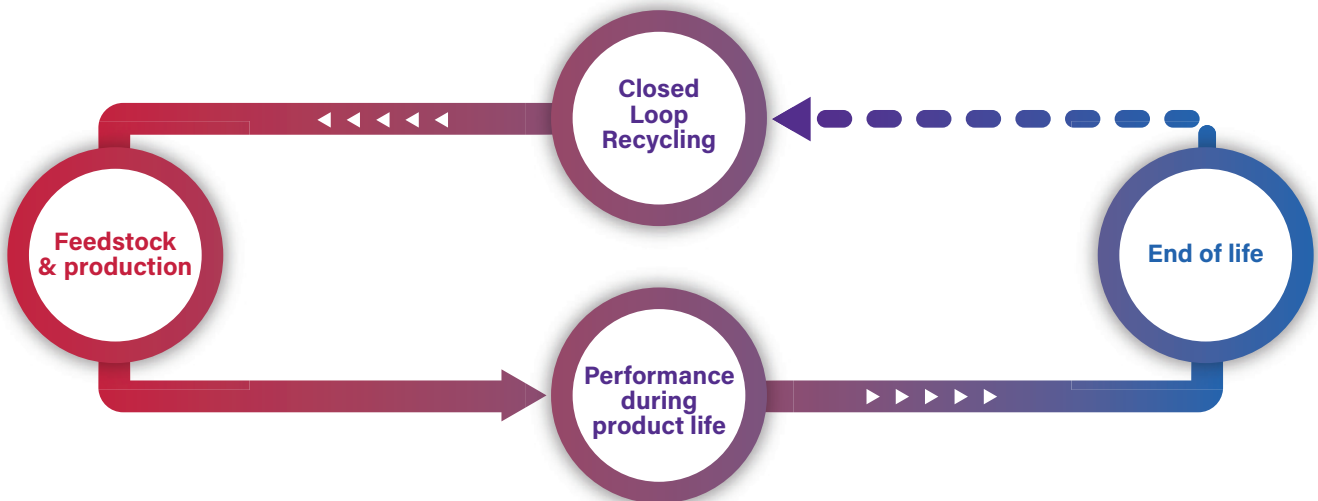
- Electrical properties make PET ideal for the new challenges in batteries and electric vehicles
- Excellent printability and appearance of finished label – clear, white, black, matte, gloss options available

Sustainability

- PET is the most recycled plastic on the planet, options available with post consumer reclaim content
- Halogen free enabling safe and effective end of life outcomes
- Closed loop recycling of label facestock material a key target via the glycolysis process

Focus on Sustainability

We are proud that our ongoing commitment to sustainability has been recognized with a gold rating from Ecovadis who rank us in the top 6% of comparable companies. When it comes to our approach to product sustainability we believe it is important to assess the environmental impact across the full product life cycle, taking into account the footprint during production, the performance during life and then the eventual end of life outcomes.



- PET manufacturing process has a relatively low carbon and water footprint compared to alternative materials
- Post consumer and post industrial recycled content available via multi-award winning LuxCR™ depolymerization process
- Ongoing trials assessing bio based feedstock

- Durability, chemical resistance and thermal performance deliver long life performance in demanding applications
- PET makes an important contribution in areas such as renewable energy and increasingly in enabling the electrification of vehicles

- PET is the most recycled plastic globally
- Key challenge with label facestock and silicone coated release liner is contamination impacting the recycling process
- Initial pilot scale trials with labels release liner have given promising results

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