TESLIN®
Enabling Substrate Technology from PPG

Durable and Secure Synthetic Paper for Demanding Labels

From durable industrial labels for hazardous materials to traceable product identification labels for food and pharmaceuticals, the need for durable, data-protective labels is more critical than ever. Today, no material is better suited to meet the challenge than TESLIN® substrate from PPG Industries.

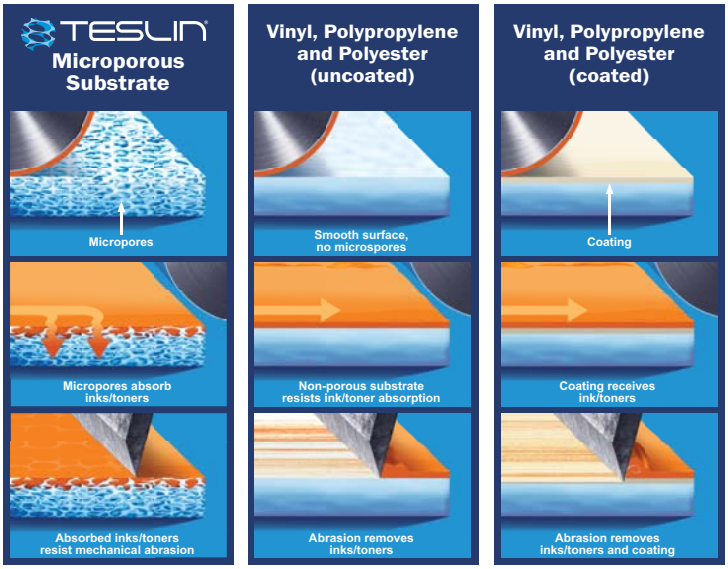
Teslin substrate is unique among synthetic label papers for one reason: microporosity. Formulated with a polyolefin-silica matrix, *Teslin* substrate contains micropores that absorb inks, toners, adhesives and coatings, locking them into its structure for long-lasting durability. As a result of this unique characteristic, *Teslin* substrate offers performance benefits that other synthetic substrates cannot replicate.

Teslin substrate…

- Withstands exposure to water, steam, ice and extreme temperatures
- Resists chemicals, solvents, tears and abrasion
- Print-ready right out of the package; most synthetics need corona treatment or coating for digital print technologies
- Takes the heat of digital laser printing; most synthetics may actually melt!
- Works well with fixed and variable printing methods, including inkjet, laser and thermal transfer
- Offers tamper-evidence by permanently distorting if alteration is attempted
- Supports special applications with Food, Biodegradable and Security grades
- Bonds strongly with all types of temporary or permanent adhesive systems
- Reduces the potential for static discharge when removing label liners (which could potentially ignite chemical and solvent vapors in certain manufacturing environments)

To learn more, visit www.teslin.com.

Abrasion Resistance for Superior Protection of Printed Data and Graphics



Teslin® substrate (left column) is formulated with a microporous polyolefin-silica matrix that absorbs and locks inks and toners into its structure, rendering printed data and graphics impervious to mechanical abrasion. Conversely, substrates such as vinyl, polypropylene and polycarbonate do not allow inks and toners to penetrate their surfaces, making printed data easy to remove whether the substrate is uncoated (center column) or coated (right column).

Typical Durable Label Applications

- Chemical containers
- Pallet and shipping
- Identification, safety and warning
- GHS and BS 5609
- In-mold
- Supply chain security labels and packaging
- Brand protection and tamper-evident
- Food and beverage packaging
- Medical, pharmaceutical and blood bag
- Cleanroom
- Nursery and horticulture tags

PPG Industries

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