HOW TO CHOOSE THE RIGHT

Synthetic Label Stock

POPULAR CHOICES

- TESLIN® label stock
- Vinyl (PVC)
- Polyester (PET)
- Polypropylene

SIMILARITIES

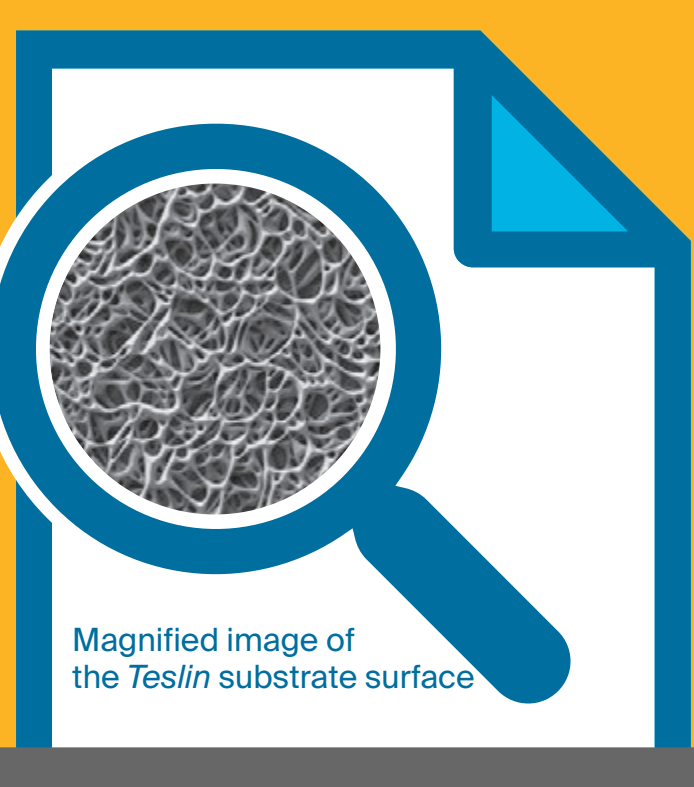
All synthetic labels are:

- Durable
- Water Resistant
- Tear Resistant

THE *TESLIN* SUBSTRATE DIFFERENCE

Microporosity

A microporous polyolefin-silica matrix gives ***Teslin* substrate** its **inherently differentiating** benefits.



Magnified image of the *Teslin* substrate surface

Teslin Label Stock	The Other Synthetics

Printability

Compatibility

Teslin Label Stock	The Other Synthetics
Compatible with a wide range of print processes: • Offset & Flexo • Laser • Thermal Transfer • Inkjet	**Limited compatibility** Vinyl (PVC), polyester (PET) and polypropylene are not compatible with all print technologies.

Coating

Teslin Label Stock	The Other Synthetics
No coating or corona treatment needed means it's digital print ready right out of the box.	**Needs coating or special treatment** to print on laser or inkjet printers.

Laser Printing

Teslin Label Stock	The Other Synthetics
Takes the heat of laser printing.	Laser printing may **cause substrate to melt**.

Durability

Abrasion Resistance

Teslin Label Stock	The Other Synthetics
Microporous surface Absorbs inks and toners, locking them into its surface.	**Non-porous surface** Inks and toners sit on top of the substrate.
Nearly impervious to abrasion and scuffing.	**Abrasion** removes inks, toners and coating.

GHS and BS 5609

Teslin Label Stock	The Other Synthetics
Print is resistant to damage from water and chemicals.	**Print is susceptible** to damage from water and chemicals without special coating.
Built-in durability to be BS 5609 certified.	**Dependent on coating** to meet BS 5609 certification.

Temperature Resistance

Teslin Label Stock	The Other Synthetics
Withstands extreme temperatures and freeze-thaw cycles without cracking or adhesive failure. **-30°F (-34°C) to 250°F (121°C)**	**Vulnerable** to extreme temperatures and freeze-thaw cycles.

Static Dissipative

Digital Print Safety

Teslin Label Stock	The Other Synthetics
Micropores reduce static charge sometimes caused by peeling digitally printed labels. Passes ESD S.541 @ 30% relative humidity.	Static builds up and peeling labels can release **dangerous sparks**.
A static-free operation is **safer for operators and applicators.**	Static sparks can **cause fire or injure operators.**

Bondable

Adhesion

Teslin Label Stock	The Other Synthetics
Micropores enable multi-dimensional bonds that adhere strongly to the surface.	**Coating does not bond** strongly with surfaces.
Long-lasting adhesion endures extreme conditions.	**Adhesive failure** can occur in steam, water and other harsh environments.

Flexibility

Teslin Label Stock	The Other Synthetics
Conforms to many different shapes, including blood bags.	Some applications may experience **peeling**.

Security

Tamper Evidence

Teslin Label Stock	The Other Synthetics
Attempt to break the bond, and *Teslin* substrate will permanently distort.	**Requires professional printing** and converting to ensure tamper evidence.
Enables use of **on-demand printing** to create a security label.	

Request a sample

Try Teslin® labels for yourself. Just tell us some details of your project, and we will send you a sample! Visit **teslin.com/LabelSampleRequest**.

Learn more

Visit **teslin.com/Teslin-Label-Stock.**

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