



# TESLIN

Enabling Substrate Technology from PPG

## Teslin® Food-Grade Substrate

**Teslin® Food-Grade substrate is a microporous synthetic sheet material specifically engineered for food-contact packaging and labeling applications.**

Thanks to its exceptional durability, breathability and conformability, *Teslin* Food-Grade substrate can help food manufacturers meet a variety of regulatory and marketing demands. On the regulatory side, it enables food manufacturers to combat food fraud and meet stringent food safety mandates by printing tamper-resistant labels with encrypted bar codes or quick-response (QR) codes that enable supply-chain traceability. As a marketing tool, it is an ideal material for branding, packaging, protecting and displaying food goods.

### Durable, Breathable and Conformable

*Teslin* Food-Grade substrate is based on the same technology that has made conventional *Teslin* substrate a material of choice for security credentials, RFIDs labels and other applications that demand the ultimate in print and label durability. It is:

- Ice and steam resistant
- Tear, abrasion and chemical resistant
- Conformable
- Pliable in extremely cold temperatures and able to survive heat of up to 170°C (338 °F).
- Flexible enough to withstand expansion and contraction when filling or shipping
- Breathable to enable the diffusion of various gases



Designed for food-contact labeling and packaging, *Teslin*® Food-Grade substrate is ideal for use as traceability labels, like those pictured above, which enable food companies to combat food fraud and better safe-guard their supply chain. Because of its exceptional color and photo reproduction, *Teslin* Food-Grade substrate can also be used for high-visibility brand packaging, and for tamper-resistant security labels printed with encrypted bar codes or quick-response (QR) codes.





## Easy, High-Quality Printability

*Teslin* Food-Grade substrate is compatible with a variety of printing technologies and provides rich, vibrant color and crisp, clear print and photo definition. Fixed information can be printed via high-volume offset or flexographic processes; then variable information can be printed on-demand with digital technology. As a result, it is especially well-suited for:

- High-visibility brand packaging
- Logistical tracking labels
- Instructional information
- Booklet labels
- 2-D encrypted bar-code and QR-code labels
- Tamper-evident labels

## Regulatory Information

When used as intended, *Teslin* Food-Grade substrate is fully compliant for single- and repeated-use applications under U.S. Food and Drug Administration (FDA) and all applicable U.S. food additive regulations, with all types of food and under all conditions of use for which the substrate is technologically suitable.

## Available Thicknesses

*Teslin* Food-Grade substrate is available in thicknesses of 6, 7, 8 and 10 mils (145, 178, 20 and 254 microns).

For more information, call 888-774-2774  
or visit [www.teslin.com](http://www.teslin.com).



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