

# PPG TESLIN® Food-Grade Substrate

TESLIN® Food-Grade substrate is 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.

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, the material is ideal for branding, packaging, protecting and displaying food goods.

## Durable, Breathable and Conformable

*Teslin* Food-Grade substrate has the same microporous structure 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:

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

## Easy, High-Quality Printability

*Teslin* Food-Grade substrate is compatible with a wide range of print technologies. It 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 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.

It is also certified by ISEGA, passing all overall migration limits involving food contact with dry foods that have no free fats at the surface at room temperature and below, as defined by European Commission Directives 2006/141/EC and 2006/125/EC.

## Available Thicknesses

*Teslin* Food-Grade substrate is available in 6, 7, 8 and 10 mil (145, 178, 203 and 254 microns).



TESLIN® Food-Grade substrate is ideal for traceability labels like those pictured above. Offering exceptional color and photo reproduction, it is also used for high-visibility brand packaging and tamper-resistant security labels.

For more information visit  
[www.teslin.com](http://www.teslin.com)



