

Teslin® SP 1800

Polyethylene
PPG Industries, Inc.

Message:

Teslin ® substrate, from PPG Industries, is a microporous, dimensionally stable, highly filled, single-layer, polyolefin synthetic material. A non-abrasive inorganic filler comprises 60 percent of the weight, and it is 65 percent air by volume. The porous, uncoated nature of Teslin substrate allows inks, adhesives, coatings, and laminating films to penetrate into its structure, forming strong interlocking bonds with the substrate.

| General Information | | | |
|---------------------------------|--|-------|-------------|
| Filler / Reinforcement | Inorganic,60% Filler by Weight, 65% Filler by Volume | | |
| Features | Good Abrasion Resistance | | |
| | Good Dimensional Stability | | |
| | Porous | | |
| Forms | Film | | |
| Physical | Nominal Value | Unit | |
| Molding Shrinkage | 3.2 | % | |
| Films | Nominal Value | Unit | Test Method |
| Secant Modulus - 1% Secant, MD | 4.50 | MPa | ASTM D882 |
| Tensile Elongation - MD (Break) | 660 | % | ASTM D882 |
| Elmendorf Tear Strength - MD | 290 | g | ASTM D1922 |
| Yield | 2.72 | m²/kg | ASTM D3776 |
| Brightness | 92 | % | ISO 2470 |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | < -70.0 | °C | ASTM D746 |
| Optical | Nominal Value | Unit | Test Method |
| Opacity | 99 | % | ISO 2471 |
| Transmittance | 3.0 | % | ASTM D1003 |
| Whiteness Index | 80 | | ASTM E313 |

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