

Data Sheet

Descripcion

An extrusion coated biaxially oriented polypropylene (BOPP), with gloss layer on one side and low melting adhesivelayer on the other side for thermal lamination purposes.

Application

TGL film is specially designed to enhance performance in paper or board lamination using thermal laminationprocess. TGL film will enhance gloss, scuff resistance when laminated on to paper or cardboard and offers a veryhigh quality image to book covers, corporate brochures, posters and magazines.

Features

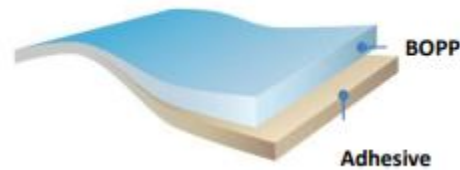
- High clarity and gloss
- Non-migratory slip system for stable CoF
- Excellent resistance to grease and oil
- Excellent ink adhesion and bond strength

Treatment

Available on one side or both sides

Standard Thickness

22 and 24 microns (0.9 and 0.95 mil)



| Properties | Typical Values 24 mic (SI) | Typical Values 0.95 mil (Eng) | Testing Methods |
|------------------------------|---------------------------------------|--|---------------------------|
| Mechanical | | | |
| Tensile Strength | 150 (MD) - 250 (TD) N/mm ² | 22,000 (MD) - 36,000 (TD) lb/in ² | ASTM D 882 |
| Elongation | 170 (MD) - 55 (TD) % | 170 (MD) - 55 (TD) % | ASTM D 882 |
| Physical | | | |
| Yield | 45.29 m ² /kg | 31,842 in ² /lb | Internal method |
| Gloss 60° | 92 | 92 | ASTM D 2457 |
| Thermal | | | |
| Recommended lamination temp. | 100 ± 5 °C | 221 ± 9 °F | |
| Thermal Shrinkage | 4.0 (MD) - 2.0 (TD) % | 4.0 (MD) - 2.0 (TD) % | ASTM D 1204, 120°C, 2 min |
| Miscellaneous | | | |
| Surface Tension (Adhesive) | 40 dyne/cm | 40 dyne/cm | ASTM D 2578 |
| Surface Tension (Gloss) | 38 dyne/cm | 38 dyne/cm | ASTM D 2578 |

Standard reel winding: adhesive layer inside

For optimum performance, the film should be used within eight months after product date

Tensile strength and elongation value based on BOPP base film properties