

SHINY GLOSS SUPERDIGY 40 μ

Biaxially oriented polypropylene gloss film for thermal lamination on digitally printed paper and cardboard.

The film is specifically recommended for digital toner machines like Xerox and Canon.

Product code: TEG040

Update: November 2020



TECHNICAL FEATURES

| PHYSICAL PROPERTIES | | TEST METHOD | UNIT | VALUE |
|---------------------|---------------|-------------|--------------------------|--------------|
| Thickness | | Internal | micron (μm) | 40 |
| Thickness BOPP | | Internal | Micron (μm) | 12 |
| Thickness EVA | | Internal | Micron (μm) | 28 |
| Yield | | Internal | m^2/kg | 28,57 |
| Grammage | | Internal | g/m^2 | 35 \pm 0,5 |
| Surface tension | Adhesive side | ASTM D 2578 | Dyne/cm | 45 \pm 2 |

| MECHANICAL PROPERTIES | | TEST METHOD | UNIT | VALUE |
|-----------------------|----|-------------|-------------------------|------------|
| Tensile strength | MD | ASTM D 882 | Kg/mm^2 | 15 \pm 3 |
| | TD | | | 30 \pm 3 |
| Elongation at break | MD | ASTM D 882 | % | - |
| | TD | | | - |

| THERMAL PROPERTIES | | TEST METHOD | UNIT | VALUE |
|---|----|-------------|----------|---------------|
| Heat shrinkage (120°C, 15 min.) | MD | ASTM D 1204 | % | 3,5 \pm 0,5 |
| | TD | | | 1,4 \pm 0,5 |
| Lamination temperature (to be checked according to lamination conditions) | | Internal | °C | 85~95 |
| Bonding strength (average) | | ASTM D 1876 | Kgf/25mm | >1 |

| OPTICAL PROPERTIES | | TEST METHOD | UNIT | VALUE |
|----------------------------------|--|-------------|------|-------|
| Gloss level 20° | | ASTM D 523 | GU | >110 |
| Gloss Level 20° after lamination | | ASTM D 523 | GU | >70 |
| Haze after lamination | | ASTM D 1003 | | <2 |
| Transmittance | | ASTM E 1164 | % | >80 |
| Reflectivity | | ASTM E 1164 | % | 9 |

Storage: store in a dry and clean place far from heat sources and humidity (max 30°C and 55% of relative humidity). Do not expose rolls to direct sunlight. Protect the partially used rolls and keep a high stock rotation. The film should be allowed to reach operating room temperature 24 hours before use.

Note: trial tests are recommended before proceeding with full production run so as to verify the suitability of the product for its specific application. Verify the compatibility of the film with inks and adhesives. Please visit our web site for more details.

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