

THERMAL

- super-soft surface
- ultra-matt surface
- high scratch resistance
- high sweat resistance
- good tear resistance
- hot foil stampable*
- overcoatable*
- glueable*

SPECIFICATION	<p>Is a polyurethane coated, biaxially oriented polypropylene foil; the back- side is coated with EVA hot melt. The EVA needs some time for optimal curing. The time for curing depends on the used base material and should be tested before further processing.</p> <p>The thickness of the film is 30 µm (±5 %); the foil can be used for materials of various kinds. The optimum processing temperature of the laminating roll is between 100 °C and 115 °C.</p>
PROPERTIES OF THE FILM	<ol style="list-style-type: none"> 1. super-soft surface 2. ultra-matt surface 3. modified scratch- and scrub resistance 4. good tear resistance 5. improved sweat resistance 6. suitable for hot stamping (test required) 7. suitable for spot coatings with radical UV-curing systems (test required) 8. glueable (test required/ tests were made on a folder gluing machine with different water-based glues; good results were achieved).
QUALITY	<p>Each master roll is tested and logged for gloss, surface energy, bonding and coating homogeneity before, during and after the coating process.</p> <p>The reels have maximum winding and cutting quality.</p> <p>At the beginning of each production process (change of varnish or film batch), a few meters get laminated and will be reviewed by our quality department.</p>
SIZE AND PACKAGING	<p>The films are available in widths from 160mm to 1,270mm. Each roll is wound on a 3" (76.2mm) core and has at least 2,000 running meters on it. For each splice, we deliver 50 extra service meters. The coating is on the outside of the roll; EVA is on the inside.</p> <p>THICKNESS 30 µm ± 5 %</p> <p>WEIGHT ≈ 25.8 g/m²</p> <p>YIELD ≈ 38.8 m²/kg</p> <p>GLOSS 85° 20 ± 3</p> <p>Please notice that the gloss measurement of very matt surfaces is with the geometry of 85°.</p> <p>If using the geometry of 60°, the gloss value will be under one and not in the metering range anymore.</p>