TMS Biaxially Oriented Polypropylene (BOPP) Thermal Matte Anti-Scratch film

Data Sheet

Descripcion

An extrusion coated biaxially oriented polypropylene (BOPP), with matte anti-scratch side layer on one side and lowmelting adhesive layer on the other side for thermal lamination purposes.

Application

TMS film is specially designed to offer the best anti scuff performance in paper or board lamination using thermal lamination process. This matte anti scuff finish coupled with its smooth texture, offers a very high resistance surfaceto scratching and scuffing, at the same time gives high quality image to book covers, corporate brochures, postersand magazines.

Features

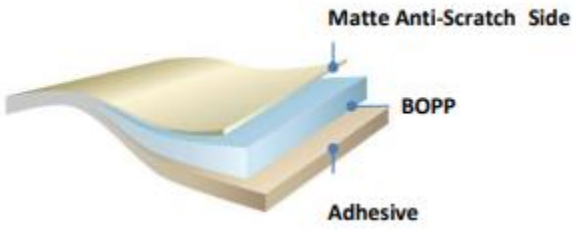
Excellent anti-scuff matte finish property
Excellent resistance to grease and oil
Excellent ink adhesion and bond strength

Treatment

Available on both sides

Standard Thickness

29 microns (1.1 mil)



Properties	Typical Values 29 mic (SI)	Typical Values 1.1 mil (Eng)	Testing Methods
Mechanical			
Tensile Strength	110 (MD) - 200 (TD) N/mm^2	16,000 (MD) - 29,000 (TD) lb/in^2	ASTM D 882
Elongation	150 (MD) - 70 (TD) %	150 (MD) - 70 (TD) %	ASTM D 882
Physical			
Yield	38.3 m^2/kg	26,920 in^2/lb	Internal method
Gloss 60°	5	5	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 (Anti-scratch)	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