TMT Biaxially Oriented Polypropylene (BOPP) Thermal Matte film

Data Sheet

Descripcion

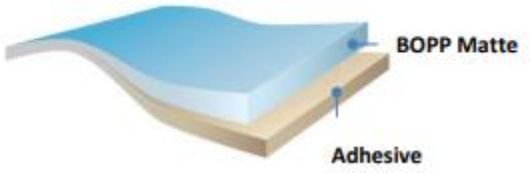
An extrusion coated biaxially oriented polypropylene (BOPP), with matte side layer on one side and low meltingadhesive layer on the other side for thermal lamination purposes

Application

TMT film is specially designed to enhance performance in paper or board lamination using thermal laminationprocess. This matte finish coupled with its smooth texture offers a very high quality image to book covers, corporatebrochures, posters and magazines. Matte finishes are particularly suitable for surface which needs to be easily readby eliminating light glare

Features

Excellent matte finish property
Excellent moisture barrier
Excellent resistance to grease and oil
Excellent ink adhesion and bond strength



Treatment

Available on one side or both sides

Standard Thickness

25 microns (0.9 and 1.0 mil)

Properties	Typical Values 25 mic (SI)	Typical Values 1.0 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	46.0 m^2/kg	32,341 in^2/lb	Internal method
Gloss 60º	6.5	6.5	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 (Matte)	40 dyne/cm	40 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