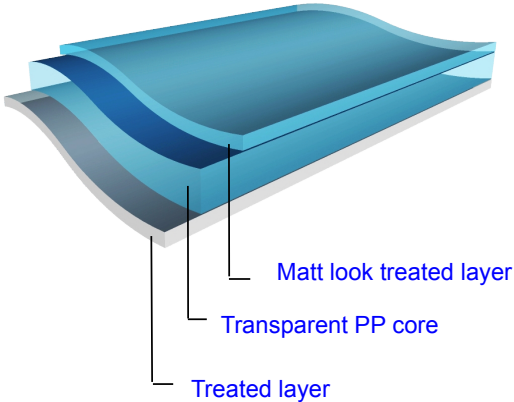




B-16

BOPP HI HAZE MATT FOR PUBLISHING



Description:

This film is special designed of BOPP film for board lamination. TFI film offers very fine & high haze matt finished on one side. This film is widely used for laminating book brochures, diary cover, magazine, board box, etc. The high matt side will eliminate more light reflection for soft viewing and classic look creating.

Characteristics :

- Less electrostatic on film surface
- High haze matt appearance
- Provides soft touch look.
- Printability

TECHNICAL DATA

TYPICAL PROPERTIES		UNIT		TEST METHODS		TYPICAL VALUE							
THICKNESS		Micron		Micrometer		13	15	18	20	30			
YIELD		m ² /kg		-		96.15	83.33	67.75	60.98	40.65			
DENSITY		g/cm ³		ASTM D-1505		0.8			0.82				
AVERAGE THICKNESS VARIATION		%		ASTM E-252		± 3							
TENSILE STRENGTH		kg/mm ² (min)	MD	ASTM D-882	8								
			TD		18								
ELONGATION AT BREAK		% (max)	MD	ASTM D-882	220								
			TD		70								
THERMAL SHRINKAGE (120°C 15min.)		% (max)	MD	ASTM D-1204	4.0								
			TD		2.0								
KINETIC C.O.F.		film/film		ASTM D-1894		0.2 - 0.4							
GLOSS (Angle 45°)		unit (max)	matt side	ASTM D-2457		10							
HAZE		%		ASTM D-1003		80+5							
WETTING TENSION		Both side	Dyne/cm (min)	gloss side	ASTM D-2578	36							
				matt side		38							

DESCRIPTION OF SUPPLY

PAPER CORE I.D.	77 mm (3 in.) 153 mm (6 in.)
ROLL O.D.	max. 800 mm
WIDTH RANGE	100 mm - 1,500 mm. (other width on request), Allowance 0, +3 mm
COMBINATION WIDTH	6,000 mm.
LENGTH RANGE	STANDARD 2,000 m., 4,000 m., 6,000 m. (other length on request)
JOINT	maximum 10% per order

Food approval : Complied with US FDA & EU regulations (on request).

Storage condition: Should be kept in dry storage with temperature 30°C - 40°C.

Disclaimer:

The information provided above is accurate to the best of our knowledge. It is however suggested that the customer confirms these values and product compatibility prior to their use. Thai Film Industries PCL offers no guarantees nor accepts any responsibility for the fitness of the product for any particular use.



B-16

BOPP HI HAZE MATT FOR FLEXIBLE PACKAGING

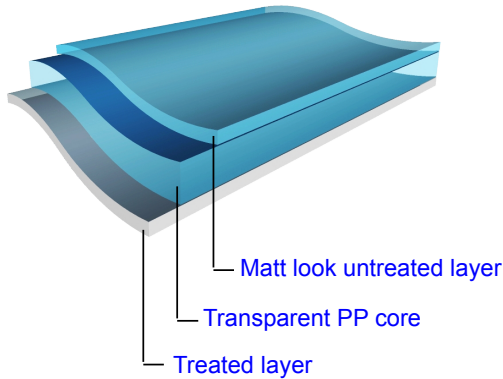
PROVISIONAL TECHNICAL DATA

Description:

This innovative matt film offers for soft & paper look packaging. One side matt other side glossy. TFI pecially designed this film for high quality printing suitable for both rotogravure and flexographic printing. The low light reflection on matt side improving packaging attractiveness

Characteristics :

- Less electrostatic on film surface
- High haze matt appearance
- Provides soft touch look.
- Printability



TYPICAL PROPERTIES		UNIT		TEST METHODS		TYPICAL VALUE							
THICKNESS		Micron		Micrometer		13	15	18	20	30			
YIELD		m ² /kg		-		96.15	83.33	67.75	60.98	40.65			
DENSITY		g/cm ³		ASTM D-1505		0.80		0.82					
AVERAGE THICKNESS VARIATION		%		ASTM E-252		± 3							
TENSILE STRENGTH		kg/mm ² (min)	MD	ASTM D-882		8							
			TD			18							
ELONGATION AT BREAK		% (max)	MD	ASTM D-882		220							
			TD			70							
THERMAL SHRINKAGE (120°C 15min.)		% (max)	MD	ASTM D-1204		4.0							
			TD			2.0							
HAZE		%		ASTM D-1003		80±5							
KINETIC C.O.F.		NT/ NT	matt side	ASTM D-1894		0.3 - 0.5							
GLOSS (Angle 45°)		unit (max)	matt side	ASTM D-2457		10							
WETTING TENSION	One side	Dyne/cm (min)	gloss side	ASTM D-2578		38							

DESCRIPTION OF SUPPLY

PAPER CORE I.D.	77 mm (3 in.) 153 mm (6 in.)
ROLL O.D.	max. 800 mm
WIDTH RANGE	100 mm - 1,500 mm. (other width on request), Allowance 0, +3 mm
COMBINATION WIDTH	6,000 mm.
LENGTH RANGE	STANDARD 2,000 m., 4,000 m., 6,000 m. (other length on request)
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Food approval : Complied with US FDA & EU regulations (on request).

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