

TECHNICAL DATA SHEET

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BOPP [SMH] Matt film

PRODUCT DESCRIPTION

Matt, biaxially oriented polypropylene (BOPP) film with both sides sealable. One side is matt and one side is gloss, corona activated for printing and lamination. It is designed for production of high quality printed and laminated flexible packaging. It is characterized by matt and luxury appearance, good sealability and low permeability to water vapor and odor substances. The film has been approved for use in the manufacture of food and pharmaceutical products.

SPECIFICATIONS

Properties	Unit	Typical value		Comments
Thickness	µm	20	25	ASTM 1003-13 (+/-5%)
Roll width max.	mm	2000		(+/-2mm)
Yield	m ² /kg	58,8	47,1	(+/-5%)
Unit weight	g/m ²	17,0	21,2	(+/-5%)
Surface tension min. (gloss side)	dyn/cm	38		ASTM D 2578
Tensile strength - machine (MD) - transverse (TD)	MPa	110 250		ASTM D882
Elongation at break - machine (MD) - transverse (TD)	%	220 60		ASTM D882
Strength of sealed joints	g/15mm	300		(135°C, 270N, 1s)
Thermal shrinkage - machine (MD) - transverse (TD)	%	4,0 3,0		ASTM D1204 (120 °C, 2min)
Coefficient of friction	-	0,5		ASTM D 1894
Haze	%	60		ASTM D 1003
Gloss	-	12		ASTM D 2457 (@45 °)
Sealing temperature	°C	105-140		(0,5s, 150N)
WVTR (38°C, 90%-RH)	g/m ² /1atm/24h	7		ASTM F1249
Standard roll length	m	5250	4250	(+/-15%)

APPLICATION

Technology: printing, lamination, labels for bottles, wrapping boxes, packaging production.

STORAGE CONDITIONS AND SHELF-LIFE

Products should be stored away from particular heat, cold, moisture and direct sunlight. Recommended storage conditions 5°C - 30°C and relative humidity 20-70%. Shelf life is 6 months from the date on the label.

ADDITIONAL INFORMATION

The data presented reflect our current state of knowledge and are intended for informational purposes only. The specified parameters reflect typical values and do not represent limit values. Given the number of factors beyond our control, we cannot guarantee the properties or suitability of the products for each individual case of application. For these reasons, no legal claims may be derived from this technical specification sheet. We reserve the right to update the technical specification sheet at any time without obligation to inform you. The product is not classified as hazardous, we recommend reading the declaration of conformity before use. Dispose of in accordance with local and national regulations.