

## TECHNICAL DATA SHEET

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### BOPP [STM] film

#### PRODUCT DESCRIPTION

Biaxially oriented polypropylene film (BOPP), transparent, double-sided sealable, general purpose. One side of the film (outer) is corona activated. It is designed for printing, lamination, PET bottle labels and for the manufacture of packaging on vertical and horizontal automatic packaging machines. It is characterized by high gloss, 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
		20	25	30	35	40	50	
Thickness	µm	20	25	30	35	40	50	ISO 4593 (+/-5%)
Roll width max.	mm	2000						(+/-2mm)
Yield	m <sup>2</sup> /kg	54,9	44,0	36,5	31,4	27,5	22,0	ISO 536 (+/-5%)
Unit weight	g/m <sup>2</sup>	18,2	22,8	27,3	31,9	36,4	45,5	ISO 536 (+/-5%)
Surface tension min.	dyn/cm	38						ISO 8296, ASTM D 2578
Tensile strength - machine - transverse	MPa	130 230						ISO 527 ASTM D882
Elongation at break - machine - transverse	%	240 80						ISO 527 ASTM D882
Strength of sealed joints	N/15mm	>2,0						(130°C, 1 bar, 1s)
Thermal shrinkage - machine - transverse	%	5,0 3,0						ISO 11501 ASTM D1204
Coefficient of friction	-	0,30						ISO 8295 (+0,10/-0,15)
Haze	%	3,0						ASTM D 1003
Gloss	%	>80						ISO 2813, ASTM D 2457
Sealing temperature	°C	110-140						-
OTR (23°C, 0%-RH)	cm <sup>3</sup> /m <sup>2</sup> x 24h x 0,1MPa	>2000		>1500		>1300		ASTM D3985
WVTR (38°C, 90%-RH)	g/m <sup>2</sup> x 24h	<7		<6,5		<5,5		ASTM F1249
Standard roll length	m	5250	4250	3500	3000	2650	2150	(+/-15%)

#### APPLICATION

Technology: printing, lamination, labels for PET bottles, wrapping boxes, packaging confectionery, clothing, pasta, crisps, chips, bread, 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.