

## TECHNICAL DATA SHEET

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### BOPP [STH] film

#### PRODUCT DESCRIPTION

Biaxially oriented polypropylene film (BOPP), transparent, double-sided sealable, general purpose. One side of the film (outer) is corona treated. It is designed for high quality printing, lamination. For packaging production 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
Thickness	µm	15	18	20	25	30	35	40	50	ASTM 1003-13 (+/-5%)
Roll width max.	mm	2000								(+/-2mm)
Yield	m <sup>2</sup> /kg	73,3	61,1	54,9	44,0	36,6	31,4	27,5	22,0	(+/-5%)
Unit weight	g/m <sup>2</sup>	13,6	16,4	18,2	22,8	27,3	31,9	36,4	45,5	(+/-5%)
Surface tension min.	dyn/cm	38								ASTM D 2578
Tensile strength - machine (MD) - transverse (TD)	MPa	150 250								ASTM D882
Elongation at break - machine (MD) - transverse (TD)	%	200 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	-	0,3								ASTM D 1894
Haze	%	2,5								ASTM D 1003
Gloss (45°)	-	85								ASTM D 2457
Sealing temperature	°C	105-140								(0,5s, 150N)
WVTR (38°C, 90%-RH)	g/m <sup>2</sup> x 24h	<7								ASTM F1249
Standard roll length	m	6000 / 24000	5000 / 20000	5000 / 20000	4000 / 16000	3000 / 12000	2500 / 10000	2000 / 8000	2000 / 6000	(+/-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.