

# Polypropyleen Plain



Treated high gloss layer  
Core layer  
High gloss  
layer

## Description / Properties

Plain bi-oriented polypropylene film (BOPP), non heat sealable, one side treated  
Highly effective surface treatment

## Applications examples

Lamination and printing  
Flower wrapping  
Gift wrapping  
High gloss applications, high stiffness applications  
General packaging when laminated to a sealable film

TEST			TEST METHOD	UNITS	TYPICAL VALUES								
THICKNESS			ISO 4593	µm	20	25	28	30	35	38	40	50	
GRAMMAGE			CSFL11	g/m <sup>2</sup>	18,1	22,6	25,3	27,2	31,7	34,4	36,2	45,3	
YIELD			CSFL11	m <sup>2</sup> /kg	55,2	44,2	39,5	36,8	31,5	29,1	27,6	22,1	
MECHANICAL PROPERTIES	Tensile Strength	MD	ASTM D 882	N/mm <sup>2</sup>	170	170	170	170	170	170	170	170	
		TD			330	330	330	330	320	320	310	310	
	Elongation	MD		%	170	170	170	170	170	170	170	170	
		TD			60	60	60	60	60	60	60	60	
COEFFICIENT OF FRICTION	Dynamic	U-U	ISO 8295	----	0,40								
OPTICAL PROPERTIES	Gloss 45°		ASTM D 2457	%	90								
	Haze		ASTM D 1003	%	1,1	1,3	1,3	1,3	1,4	1,6	1,6	1,7	
PERMEABILITY	WVTR (23°C, 100% H.R.)		ASTM F 1249	g/(m <sup>2</sup> d)	1,6	1,3	1,2	1,1	1,0	0,9	0,9	0,8	
	OTR (23°C, 0% H.R.)		DIN 53380	cm <sup>3</sup> /(m <sup>2</sup> d atm)	1640	1320	1155	1065	875	795	755	720	
THERMAL STABILITY	Shrinkage (120°C, 5min)	MD	CSFL 3	%	4								
		TD		%	2								
TREATMENT	Surface Tension		ASTM D 2578	dynes/cm	≥ 38								

## Storage conditions

The film should be stored in a dry, covered and clean area, away from heat sources and without UV radiation and/or direct sunlight. The storage temperature should be between 15 to 30°C. The film should be allowed to reach the operating room temperature 24 hours before its use. If the above mentioned requirements are fulfilled the film is suitable to be used up to 6 months from the production date.

## Food contact

Suitable for food contact. Specific documentation is available upon request.

The above properties correspond to average values and do not represent a product specification. The information provided on this technical sheet is based on our current knowledge and experience and is given with good faith. It may vary due to several particular factors which are alien to our knowledge and control and that affect the use of the product (storage, climate, handling, raw-materials, etc.). It is intended to offer to the specialized readers, indications so that they can evaluate the possible applications for this product. The user should always verify the suitability of the film for the specific end-use.