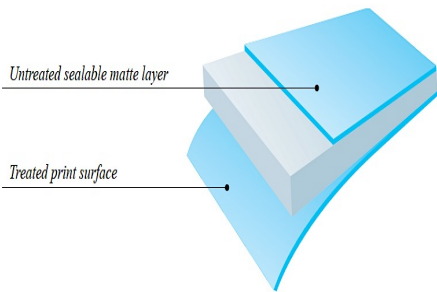


BOPP TRANSPARENT MATTED TECHNICAL SHEET



- Uniform matte appearance without optical defects
- Outstanding low gloss and haze on the matte side
- Consistent and low slip properties for excellent machinability
- Satiny, smooth surface with paper-like appearance
- Excellent web flatness without curling

MATERIAL

BOPP one-side treated, one-side matte, sealable matte film.

APPLICATION

Designed for use as the outer web of laminations in HFFS and VFFS packaging.

Provides a premium, differentiated look when reverse printed.

The matte layer is designed for heat sealing and is not suitable for use in cold seal applications. The matte layer is lap sealable, inside webs that are sealable.

HEALTH & SAFETY

Bopp Transparent Matt complies with EC and FDA regulations. Specific documents are available on request.

STORAGE

Bopp Transparent Matt does not require special storage conditions.

A storage temperature below 30°C is recommended in order to minimize the deterioration of the film properties in general.

It is advisable to turn over the inventory according to the delivery date (first in-first out).

The film should be conditioned in the operating environment at least for 24 hours before processing.

Bopp Transparent Matt is suitable for use up to 6 months from the date of production.

Properties	Unit	Typical Values				Method
Thickness	micron	20	25	30	40	Bogophane - gravimetric
Unit weight	g/m ²	18,2	22,7	27,3	36,4	Bogophane - gravimetric
Yield	m ² /kg	54,9	44	36,6	27,5	Bogophane method
Surface tension	dynes/cm	38	38	38	38	ASTM D 2578
Gloss (Matte)	%	10	10	10	10	ASTM D 2457 45°
COF Dyn F-F (Matte /Matte)	-	0,35	0,35	0,35	0,35	ASTM D 1894
Tensile strength at break (MD)	N/mm ²	130	130	130	130	ASTM D 882
Tensile strength at break (TD)	N/mm ²	260	260	260	260	ASTM D 882
Elongation at break (MD)	%	150	150	150	150	ASTM D 882
Elongation at break (TD)	%	50	50	50	50	ASTM D 882
Tensile modulus of elasticity (MD)	N/mm ²	2000	2000	2000	2000	ASTM D 882
Tensile modulus of elasticity (TD)	N/mm ²	3800	3800	3800	3800	ASTM D 882
Heat seal range (Matte)	°C	115-140	115-140	115-140	115-140	Bogophane - 3 bar - 1"
Seal strength (Matte / Matte)	g/cm	180	180	180	180	Bogophane - 130°C - 3 bar - 1"
Shrinkage (MD)	%	≤5	≤5	≤5	≤5	ASTM D 1204 120°C 5'
Shrinkage (TD)	%	≤3	≤3	≤3	≤3	ASTM D 1204 120°C 5'