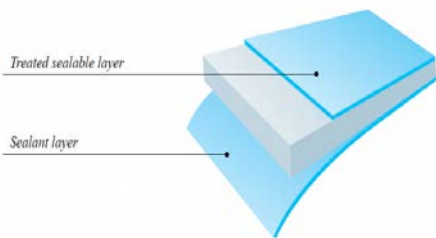


BI-AXIALLY ORIENTED COEXTRUDED POLYPROPYLENE (BOPP) TECHNICAL SHEET



- Excellent transparency and gloss
- Wide seal range and good seal strength
- Excellent hot tack
- Excellent web flatness
- High mechanical properties and stiffness

MATERIAL

Two-side sealable, one-side treated co-extruded transparent film.

APPLICATION

Used on wide range of VFFS, HFFS and box overwrap packaging machines with fin or lap seals.

It may be reverse printed in laminated structures.

It may be surface printed or unprinted in mono-web applications.

Please run appropriate tests to verify suitability of this material with your ink systems.

HEALTH & SAFETY

Material compliant with current legislation on food contacts.

Especially developed for food packaging and for meeting specific requirements regarding health and safety.

STORAGE

The coils must be kept in the original packaging until use.

It is recommended to maintain the material at a temperature of less than 30°C to minimize their deterioration.

Note: The treatment level can decrease over time.

Properties	Unit	Typical Values							Method
		15	20	25	30	35	40	48	
Thickness	micron	15	20	25	30	35	40	48	Internal - gravimetric
Unit weight	g/m ²	13.6	18.2	22.7	27.3	31.8	36.5	47.3	Internal - gravimetric
Yield	m ² /kg	73.5	55	44	36.6	31.4	27.4	22.9	Internal method
Surface tension	dynes/cm	38	38	38	38	38	38	38	ASTM D 2578
Haze	%	2	2	2.5	2.5	2.8	2.8	2.8	ASTM D 1003
Gloss	%	82	82	82	82	82	82	82	ASTM D 2457 45°
COF Dyn F-F (Untreated / Untreated)	-	0.3	0.3	0.3	0.3	0.3	0.3	0.3	ASTM D 1894
Tensile Strength at break (MD)	N/mm ²	150	150	140	140	130	130	130	ASTM D 882
Tensile Strength at break (TD)	N/mm ²	290	290	290	290	290	290	290	ASTM D 882
Elongation at break (MD)	%	180	180	200	200	220	220	220	ASTM D 882
Elongation at break (TD)	%	60	60	60	60	60	60	60	ASTM D 882
Tensile modulus of elasticity (MD)	N/mm ²	2000	2000	2000	2000	2000	2000	2000	ASTM D 882
Tensile modulus of elasticity (TD)	N/mm ²	3800	3800	3800	3800	3800	3800	3800	ASTM D 882
Heat seal range (Untreated)	°C	105-140	105-140	105-140	105-140	105-140	105-140	105-140	Internal - 3 bar - 1"
Seal strength (Untreated/Untreated)	g/cm	150	170	200	200	200	200	200	Internal -130°C-3 bar - 1"
Shrinkage (MD)	%	≤5	≤5	≤5	≤5	≤5	≤5	≤5	ASTM D 1204 120°C 5'
Shrinkage (TD)	%	≤3	≤3	≤3	≤3	≤3	≤3	≤3	ASTM D 1204 120°C 5'