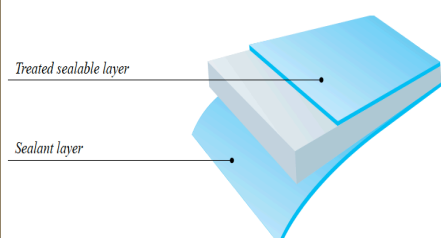


BI-AXIALLY ORIENTED COEXTRUDED POLYPROPYLENE (BOPP) TECHNICAL SHEET



- 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

For health and safety information as well as for details or specific requirements, please contact us.

STORAGE

To maintain the high quality of this product during storage, it is recommended that it be stored in its original casing, away from any source of heat and direct sunlight.

Properties	Unit	Typical Values								Method
Thickness	micron	15	20	25	30	35	40	48	Bogophane - gravimetric	
Unit weight	g/m ²	13,6	18,2	22,7	27,3	31,8	36,5	43,7	Bogophane - gravimetric	
Yield	m ² /kg	73,5	55	44	36,6	31,4	27,4	22,9	Bogophane 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	Bogophane - 3 bar - 1"	
Seal strength (Untreated/Untreated)	g/cm	150	170	200	200	200	200	200	Bogophane - 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'	