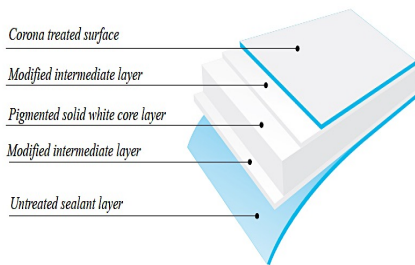


## BOPP SOLID WHITE HIGH GLOSS TECHNICAL SHEET



- Excellent light barrier
- Excellent lamination bond strength
- Good sealing strength and hot tack
- High whiteness and gloss

### MATERIAL

Solid white, two-side, sealable, one-side treated film with outstanding whiteness.

### APPLICATION

Designed for use either monoweb or laminated heat seal applications for VFFS and HFFS machines.

It provides an excellent puncture resistance compared with cavitated white films.

### HEALTH & SAFETY

For health and safety information, please contact us.

### STORAGE

To maintain the high quality of this product during storage, it is recommended to always store it 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	Bogophane - gravimetric
Unit weight	g/m <sup>2</sup>	15	19,4	24,2	29,1	33,95	38,8	Bogophane - gravimetric
Yield	m <sup>2</sup> /kg	66,6	51,5	41,2	34,4	29,4	25,8	Bogophane method
Surface tension	dynes/cm	36	36	36	36	36	36	ASTM D 2578
Optical density	-	0,4	0,4	0,4	0,45	0,5	0,55	Haze Gard Plus
Gloss	%	50	50	50	50	50	50	ASTM D 2457 45°
White index (*)	%	85	85	85	85	85	85	E313 - CIE
Opacity (*)	%	70	75	80	83	86	87	Bogophane - BYK
Whiteness (Berger) (*)	%	85	85	85	85	86	86	Berger - BYK
COF Dyn F-F (Untreated / Untreated)	-	0,35	0,35	0,35	0,35	0,35	0,35	ASTM D 1894
Tensile strength at break (MD)	N/mm <sup>2</sup>	130	130	130	130	130	130	ASTM D 882
Tensile strength at break (TD)	N/mm <sup>2</sup>	270	270	270	270	270	270	ASTM D 882
Elongation at break (MD)	%	200	200	200	200	200	200	ASTM D 882
Elongation at break (TD)	%	60	60	60	60	60	60	ASTM D 882
Tensile modulus of elasticity (MD)	N/mm <sup>2</sup>	1800	2000	2000	2000	2000	2000	ASTM D 882
Tensile modulus of elasticity (TD)	N/mm <sup>2</sup>	3500	3700	3700	3700	3700	3700	ASTM D 882
Heat seal range (Untreated)	°C	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	250	250	280	Bogophane - 130°C - 3 bar - 1"
Shrinkage (MD)	%	≤5	≤5	≤5	≤5	≤5	≤5	ASTM D 1204 120°C 5'
Shrinkage (TD)	%	≤3	≤3	≤3	≤3	≤3	≤3	ASTM D 1204 120°C 5'