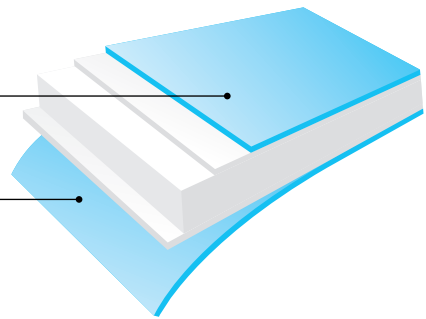


White treated, sealable layer

White untreated, sealable layer



## Technical Data Sheet

### Bi-Oriented PolyPropylene Film (BOPP)

**SWPB**

**30-40  
microns**

Two-side  
sealable, one-side  
treated, cavitated  
white film with  
outstanding white  
appearance

#### Special Features

- Excellent stiffness
- Low seal initiation and seal strength
- Consistent slip properties for superior machinability
- Outstanding opacity
- Excellent whiteness

#### Typical Applications

*Designed for use either in monoweb or laminated heat seal applications.*

*Can be used in HFFS and VFFS applications.*

*Should not be used for cold seal applications, we recommend Manucor's WPC (white cavitated) instead.*

Properties	Unit	Typical Values			Method
Thickness	micron	30	35	40	Manucor - gravimetric
Unit weight	g/m <sup>2</sup>	21.3	24.9	28.4	Manucor - gravimetric
Yield	m <sup>2</sup> /kg	47	40.2	35.2	Manucor method
Surface tension	dynes/cm	36	36	36	ASTM D 2578
Optical density	-	0.55	0.6	0.65	Haze Gard Plus
Gloss	%	80	80	80	ASTM D 2457 45°
White index (*)	%	82	83	83	E313 - CIE
Opacity (*)	%	85	87	89	Manucor - BYK
Whiteness (Berger) (*)	%	83	83	84	Berger - BYK
COF Dyn F-F (U / U)	-	0.35	0.35	0.35	ASTM D 1894
Tensile strength at break (MD)	N/mm <sup>2</sup>	80	80	80	ASTM D 882
Tensile strength at break (TD)	N/mm <sup>2</sup>	160	160	160	ASTM D 882
Elongation at break (MD)	%	130	140	140	ASTM D 882
Elongation at break (TD)	%	45	45	45	ASTM D 882
Tensile modulus of elasticity (MD)	N/mm <sup>2</sup>	1350	1350	1350	ASTM D 882
Tensile modulus of elasticity (TD)	N/mm <sup>2</sup>	2500	2500	2500	ASTM D 882
Heat seal range (U)	°C	105-140	105-140	105-140	Manucor - 3 bar - 1"
Seal strength (U / U)	g/cm	200	200	220	Manucor - 130°C - 3 bar - 1"
Shrinkage (MD)	%	≤5	≤5	≤5	ASTM D 1204 120°C 5'
Shrinkage (TD)	%	≤3	≤3	≤3	ASTM D 1204 120°C 5'

Rev. Date 24/01/2018- Please see our website [www.manucor.com](http://www.manucor.com) for the most updated version of this technical data sheet.

(\*)Disclaimer : Typical values describe useful product performance and are not intended for specification purposes.