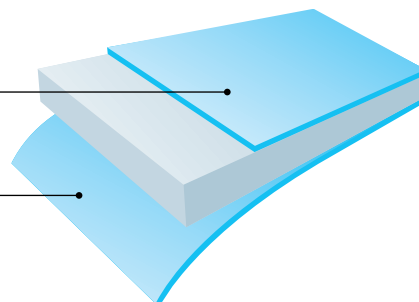


Untreated sealable layer

Untreated ultra low temperature  
75°C heat sealable layer



## Technical Data Sheet

### Bi-Oriented PolyPropylene Film (BOPP)

S2VN

20-30  
microns

Ultra  
wide seal  
range, two-side  
sealable, untreated  
transparent film for  
high-speed  
HFFS

#### Special Features

- Excellent hot slip properties for high speed HFFS
- Stable, non-migratory slip system
- Excellent gloss and transparency
- Excellent stiffness and mechanical properties for flawless machinability
- Very wide seal range for broad operating window

#### Typical Applications

*Used as a unprinted monoweb in high speed HFFS packaging. Suitable for lap or fin seals.*

*Appropriate where very low sealing temperature and high slip is required.*

Properties	Unit	Typical Values			Method
Thickness	micron	20	25	30	Manucor - gravimetric
Unit weight	g/m <sup>2</sup>	18.2	22.7	27.3	Manucor - gravimetric
Yield	m <sup>2</sup> /kg	55	44	36.6	Manucor method
Haze	%	3	3	3	ASTM D 1003
Gloss	%	80	80	80	ASTM D 2457 45°
COF Dyn F-F (Ultra Low Seal / Ultra Low Seal)	-	0.2	0.2	0.2	ASTM D 1894
COF Dyn F-F (Seal-Seal)	-	0.2	0.2	0.2	ASTM D 1894
Tensile strength at break (MD)	N/mm <sup>2</sup>	140	140	140	ASTM D 882
Tensile strength at break (TD)	N/mm <sup>2</sup>	300	300	300	ASTM D 882
Elongation at break (MD)	%	180	195	195	ASTM D 882
Elongation at break (TD)	%	50	50	50	ASTM D 882
Tensile modulus of elasticity (MD)	N/mm <sup>2</sup>	1800	1800	1800	ASTM D 882
Tensile modulus of elasticity (TD)	N/mm <sup>2</sup>	3600	3600	3600	ASTM D 882
Heat seal range (Low Seal)	°C	75-140	75-140	75-140	Manucor - 3 bar - 1"
Seal strength (Low Seal / Low Seal)	g/cm	170	200	200	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.