



Technical Data Sheet - Draft

Bioriented Polypropylene Film (BOPP)

Manucor Sustainable solutions

SGHS

Developmental
film

40
microns

Special solution
with high
seal integrity
and hot tack

Special Features

- Excellent sealing strength and sealing integrity
- High haze e clarity
- Outstanding laminations' performances
- Excellent slip properties for hot and cold seal packaging applications
- Excellent lap sealing A/B PP vs PP performances
- Improved stiffness compared with PP Cast

Typical Applications

Designed for lamination and capable to provide improved flex crack resistance to the ready packaging. The outstanding sealing strength obtained with improved external layer formulation provides excellent seal integrity and hot tack.

The owner technology knowledge used for untreated side guarantees excellent performances for hot and cold seal packaging applications.

SGHS is an excellent compromise for food packaging applications at low environmental impact because capable to produce PP monomaterial solutions.

SGHS doesn't contain PE therefore isn't a polyolephines mix.

Properties	Unit	Typical Values	Method
Thickness	micron	40	Manucor - gravimetric
Unit weight	g/m ²	36.4	Manucor - gravimetric
Yield	m ² /kg	27.5	Manucor method
Surface tension	dynes/cm	36	ASTM D 2578
Haze	%	4.5	ASTM D 1003
Gloss	%	70	ASTM D 2457 45°
COF Dyn F-F (U / U)	-	0.25	ASTM D 1894
Tensile strength at break (MD)	N/mm ²	100	ASTM D 882
Tensile strength at break (TD)	N/mm ²	230	ASTM D 882
Elongation at break (MD)	%	250	ASTM D 882
Elongation at break (TD)	%	70	ASTM D 882
Tensile modulus of elasticity (MD)	N/mm ²	1200	ASTM D 882
Tensile modulus of elasticity (TD)	N/mm ²	2000	ASTM D 882
Heat seal range (Low seal)	°C	95-140	Manucor - 3 bar - 1"
Seal strenght (Low seal/Low seal)	g/cm	>800	Manucor - 120°C - 3 bar - 1"
Shrinkage (MD)	%	≤5	ASTM D 1204 120°C 5'
Shrinkage (TD)	%	≤3	ASTM D 1204 120°C 5'

Rev. Date 29/12/2021- Please see our website 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.