



# HELIX HD BOPE FILM

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A proprietary film, only offered by StockPKG Films. With high stiffness and enhanced visual clarity, this film boasts excellent machinability and incredible printability. A TRUE ready-recyclable product, when used with eco-friendly inks.

BOPE offers a significant leap in performance for the sustainable films market. Compared to other Machine Direction Oriented PE films, StockPKG BOPE has the best clarity and machinability available in today's market.

## FEATURES:

- Printing available on both face (rotogravure and flexography) or adhesive/varnish application
- Excellent dimensional stability

## APPLICATION:

- Suitable for use as secondary packaging and lamination, among other uses.

PROPERTIES	TEST METHOD	UNIT	TOLERANCE	THICKNESS (µm)		
			10%	20	25	40
Weight	Internal Method (weight)	g/m <sup>2</sup>	10%	19.10	24.5	38.0
Theoretical Density	Internal Method (weight)	kg/m <sup>3</sup>	-	950		
COF	ISO 8295	-	-	≤ 0.35		
Yield		sq in/lb	-	36,812	28,700	18,500
Tensile Strength at Break	ISO 527	MPa	MD	≥ 90		
			TD	≥ 160		
Elongation at Break	ISO 527	%	MD	≤ 240		
			TD	≤ 100		
Thermal Shrinkage	Internal Method (100°C 5')	%	MD	≤ 2.5		
			TD	≤ 1		
	Internal Method (120°C 5')	%	MD	≤ 6		
			TD	≤ 3.5		
Young Modulus	ISO 527-1	MPa	MD	≥ 1200		
			TD	≥ 1750		
Haze	ASTM D 1003	%	T	≤ 13		≤ 20
Clarity	ASTM D 1003	%	T	≥ 70		
Gross 45°	ASTM D 2475	GU	T	≥ 50	≥ 45	
Treatment	ASTM D 2578	Dyne/cm	Outside	≥ 40		
			Inside	≥ 38		

\*MD = Machine Direction \*TD = Transverse Direction, \*T = Treated Face, \*NT = Untreated Face

**Storage & Handling:** Needs to be stocked in a closed warehouse & should not be exposed to direct sun light or light sources. Avoid extreme of humidity and heat. It is recommended to store below 40°C in dry places in original packing.

**Food Contact:** Complies with EC (EU 202/2014 & EU 10/2011) and FDA (21 CFR § 175.105 & 21 CFR § 175.300) regulations on packaging for direct contact with foodstuffs. Specific document and MSDS are available on request.

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