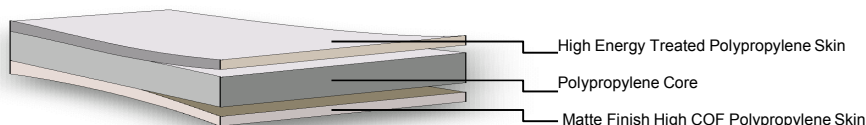


HCD - Matte Finished, Non-Slip

BIAXIALLY ORIENTED POLYPROPYLENE FILM
NON HEAT-SEALABLE



AMTOPP BOPP FILMS

Characteristics

- Non Heat-Sealable
- One Side Matte Finish
- Elevated COF
- High Energy Flame treated for excellent ink adhesion and adhesive and extrusion lamination bonds
- Excellent Flatness
- Very Good Stiffness

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNITS	TYPICAL VALUES
			HCD18
THICKNESS	AmTopp	mil (μm)	.70 (18)
YIELD	AmTopp	in^2/lb (m^2/kg)	43,400 (61.7)
TENSILE STRENGTH (MD)	ASTM D 882	lb/in^2 (kg/cm^2)	20,000 (1,400)
TENSILE STRENGTH (TD)	ASTM D 882	lb/in^2 (kg/cm^2)	36,000 (2,530)
ELONGATION AT BREAK (MD)	ASTM D 882	%	140
ELONGATION AT BREAK (TD)	ASTM D 882	%	60
COEFFICIENT OF FRICTION (MATTE /MATTE)	ASTM D 1894	Static	>0.6
HAZE	ASTM D 1003	%	55
GLOSS (45 DEG) MATTE SIDE	ASTM D 2457	G.U.	16
DIMENSIONAL STABILITY (MD)	266 °F, 5min (130° C, 5 min)	%	<5
DIMENSIONAL STABILITY (TD)	266 °F, 5min (130° C, 5 min)	%	<3
SURFACE ENERGY (High Energy Flame Side)	ASTM D 2578	dyne/cm	40

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Applications

- PP woven bag matte finish outer laminations where an elevated static COF is required to prevent bag slippage in stacking

The above properties and results obtained refer to the average values of laboratory testing carried out on sample AmTopp product. AmTopp does not guarantee testing accuracy and makes no guarantee of product performance, safety or suitability, either expressed or implied, when used alone or in combination with other products. AmTopp strongly urges users to undertake independent testing in order to verify the suitability of the product for whatever intended use. AmTopp assumes no responsibility for any damage or injury sustained as a result of the use of its products.