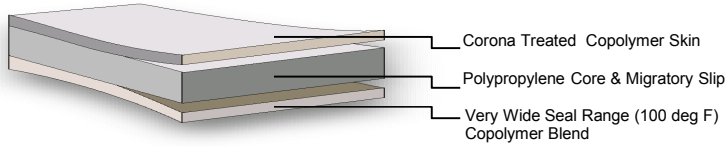


AA - Premium CoEx Heat Sealable

BIAXIALLY ORIENTED POLYPROPYLENE FILM
TWO SIDE SEALABLE FOR FOOD PACKAGING



AMTOPP BOPP FILMS

Characteristics

- Very Wide Heat Seal Range
- Corona treated one side for ink adhesion and lamination bonds
- Superior Optical Properties
- Good Hot Tack
- Excellent Flatness

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNITS	TYPICAL VALUES								
			AA18	AA20	AA22	AA25	AA30	AA35	AA40	AA50	
THICKNESS	AmTopp	mil (μm)	0.70 (18)	0.79 (20)	0.89 (22)	0.99 (25)	1.19 (30)	1.38 (35)	1.56 (40)	1.96 (50)	
YIELD	AmTopp	in ² /lb (m ² /kg)	44,000 (62.5)	38,700 (55.0)	34,300 (48.8)	31,000 (44.0)	25,700 (36.5)	22,200 (31.6)	19,600 (27.9)	15,600 (22.2)	
HEAT SEAL INITIATION (UNTREATED SIDE)	1/2 sec, 30 PSI	Deg F (Deg C)	200 (93)								
HEAT SEAL INITIATION (TREATED SIDE)	1/2 sec, 30 PSI	Deg F (Deg C)	250 (121)								
TENSILE STRENGTH (MD)	ASTM D 882	lb/in ² (kg/cm ²)	17,000 (1,200)								
TENSILE STRENGTH (TD)	ASTM D 882	lb/in ² (kg/cm ²)	30,000 (2,100)								
ELONGATION AT BREAK (MD)	ASTM D 882	%	190								
ELONGATION AT BREAK (TD)	ASTM D 882	%	70								
COEFFICIENT OF FRICTION (NT/NT)	ASTM D 1894	Dynamic	0.20					.25			
HAZE	ASTM D 1003	%	2					3			
GLOSS (45 DEG)	ASTM D 2457	G.U.	85								
WATER VAPOR TRANSMISSION RATE	ASTM F 1249 100°F (38°C), 90% RH	g/100in ² /24h (g/m ² /24h)	0.45 (7.0)	0.40 (6.2)	0.38 (5.9)	0.35 (5.4)	0.30 (4.7)	0.25 (3.9)	0.20 (3.1)	0.15 (2.3)	
DIMENSIONAL STABILITY (MD)	266 °F, 5min (130° C, 5 min)	%	<5								
DIMENSIONAL STABILITY (TD)	266 °F, 5min (130° C, 5 min)	%	<3								
SURFACE ENERGY	ASTM D 2578	dyne/cm	38								

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Applications

- Designed for use in HFFS and VFFS packaging applications, either as a single web or laminated to itself or other substrates

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.