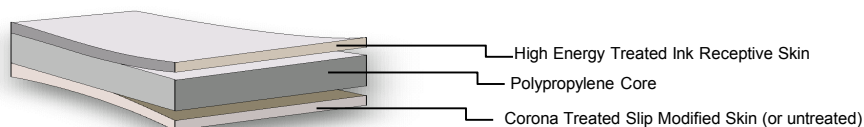


BTP - Slip Modified

BIAXIALLY ORIENTED POLYPROPYLENE FILM
NON-HEAT SEALABLE, ONE OR TWO SIDE TREATED

AMTOPP BOPP FILMS



Characteristics

- Non-Heat Sealable
- Stable COF Formula
- High Energy Flame Treated for excellent ink adhesion and adhesive and extrusion lamination bonds
- Superior Optical Properties
- Excellent Flatness

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNITS	TYPICAL VALUES		
			BTP18	BTP22	BTP30
THICKNESS	AmTopp	mil (μm)	0.70 (18)	0.87 (22)	1.19 (30)
YIELD	AmTopp	in ² /lb (m ² /kg)	43,600 (62.0)	35,000 (49.8)	25,700 (36.5)
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)	35,000 (2,400)		
ELONGATION AT BREAK (MD)	ASTM D 882	%	190		
ELONGATION AT BREAK (TD)	ASTM D 882	%	50		
COEFFICIENT OF FRICTION (Corona treated side)	ASTM D 1894	Dynamic	0.20		
		Static	0.25		
HAZE	ASTM D 1003	%	2.5		
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	0.45	0.36	0.30
		(g/m ² /24h)	(7.0)	(5.6)	(4.7)
OXYGEN TRANSMISSION RATE	ASTM D3985 72°F (22°C), 0% RH	cc/100in ² /24h	140	117	95
		(cc/m ² /24h)	(2,170)	(1,814)	(1,470)
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		
SURFACE ENERGY (Corona Treated Side)	ASTM D 2578	dyne/cm	36		

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Applications

- Outer web of film/film, film/paper, and film/PE laminations

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.