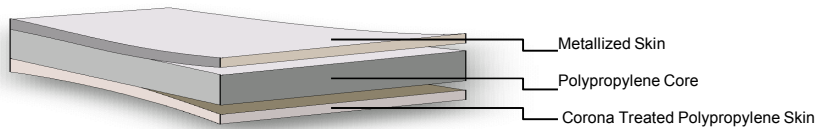


# TM - Metallized Industrial

BIAXIALLY ORIENTED POLYPROPYLENE FILM  
NON HEAT-SEALABLE

# AMTOPP BOPP FILMS



## Characteristics

- Non Heat-Sealable
- Graphic appeal of metallized film with no barrier requirements
- Reverse non-metallized surface is treated to enable lamination and coating
- Excellent Flatness

## Applications

- Metallized film for labels or other industrial applications that desire the graphic appeal of metal with no barrier requirements

## TECHNICAL DATA

PROPERTIES	TEST METHOD	UNITS	TYPICAL VALUES
			TM40
THICKNESS	AmTopp	mil ( $\mu\text{m}$ )	1.56 (40)
YIELD	AmTopp	$\text{in}^2/\text{lb}$ ( $\text{m}^2/\text{kg}$ )	19,600 (27.9)
TENSILE STRENGTH (MD)	ASTM D 882	$\text{lb}/\text{in}^2$ ( $\text{kg}/\text{cm}^2$ )	20,000 (1,400)
TENSILE STRENGTH (TD)	ASTM D 882	$\text{lb}/\text{in}^2$ ( $\text{kg}/\text{cm}^2$ )	37,000 (2,600)
ELONGATION AT BREAK (MD)	ASTM D 882	%	180
ELONGATION AT BREAK (TD)	ASTM D 882	%	60
OPTICAL DENSITY	TOBIAL DENSITOMETER	%	2.3
OPACITY	ASTM D589-97	%	>99
DIMENSIONAL STABILITY (MD)	266 °F, 5min (130° C, 5 min)	%	<5
DIMENSIONAL STABILITY (TD)	266 °F, 5min (130° C, 5 min)	%	<3
SURFACE ENERGY (Corona Treated Side)	ASTM D 2578	dyne/cm	36

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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.