

# OXPM420 MATTE OXYGEN BARRIER FILM

## Product Technical Information

### Features and Applications

A matte, non-chlorine, barrier coated, Polyester (PET) film offering ultra-high oxygen barrier, thermal resistance and durability (flex crack resistance). This film can be used as an outer (reverse) print web in flexible packaging laminations where high oxygen barrier is needed, including gas flushable laminations. This film offers an alternative to chlorine based coating (PVDC) and other barrier coatings which are more susceptible to flex cracking.

- Ultra high oxygen barrier
- Humidity resistant barrier coating
- Excellent durability & flex crack resistance
- Environmentally friendly, chlorine free barrier coating
- Excellent surface characteristics for printing & laminating
- Cost effective alternative to multi-layer EVOH & Nylon coextruded sealant films\*
- Meat, Cheese, Dairy, Snacks, Nutrition Bars, Cereal – includes all oxygen sensitive food packaging
- Medical items requiring oxygen barrier packaging

### Physical Properties

### Typical Technical Values

	Value	Test Method
Film Elongation at Break	100% MD 90% TD	ASTM D-882
Yield (sq.in./lbs.)	42000 ln <sup>2</sup> /lb	Internal
Treatment Level	Plain side 42 Dyne/cm Coated side >50 Dyne/cm	ASTM D-2578
Oxygen Transmission Rate	<0.03 cc/100in <sup>2</sup> /24h	ASTM D-1204
Water Vapor Transmission Rate	0.26 g/100in <sup>2</sup> /24h	ASTM F-1249
Tensile Strength (lbs./in of width)	27.1 kpsi MD 28.6 kpsi TD	ASTM D-882
Application Temperature Range		

### Roll Tolerances

Roll Length	+/- 5%
Roll Width	+/- 0.0625 in (1/16th in)

### Storage and Handling

Rolls must be transported and stored on protected surfaces.  
Use caution when placing or removing roll from mandrel.

### Regulatory Compliance

**Product Performance and Suitability:** We believe the statements and information contained herein are accurate but are to be used only as general guidelines and are not



warrants or guarantees. Because of the variety of possible uses, there is no warranty of fitness for a particular purpose. This product may not be suitable for use on metallic or dark reverse printed labels. The buyer must test the suitability for each intended application before using. acpo, ltd. will not be liable for damages in excess of the purchase price of its products or for incidental or consequential damages. acpo, ltd. warrants its products to be free from defects in material and workmanship. Should any failure to conform to this warranty appear within one year of the initial date of shipment, acpo, ltd. shall, upon notification thereof and substantiation that the products have been stored and applied in accordance with acpo ltd.'s standards, correct such defects by suitable repair or replacement without charge at acpo ltd.'s plant or at the location of the products (at acpo ltd.'s election): provided, however, if acpo, ltd. determines that repair or replacement is not commercially practical, acpo, ltd. shall issue a credit in favor of the buyer in an amount not to exceed the initial purchase price of the product from acpo, ltd.

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