

PRIMEX-EX X1 IML LOW MIG

Coex White Black C0050A

Polypropylene sheet for In-mold decoration

PRIME-EX X1 IML LOW MIG is Suitable for the production of in mold labels
The injected articles made from polypropylene

PRIME-EX X1 IML LOW MIG is non-oriented embossed film with the following features.

- **COLOR Coex White Black C0050A.**
- The total opacity of the inner dark layer hides the color of the injected plastic. This insures that the printing is vivid and the shade is not effected by the color of the base.
- Sheets are specially formulated for articles intended for food packaging.
- Gloss surface or satin coated with matt primer for excellent adhesion and chemical resistance
- Recyclable with polyolefin materials
- Very low orientation
- Ductile and formable results with high impact of injected object
- Excellent adhesion to PP in IML
- High gloss external print. No orange peel effect.
- Resistant to moisture and oils

Applications:

The low orientation and flexibility of **PRIME-EX X1 IML LOW MIG** makes it ideally suitable for complex die cutting and 3 dimensional complex molding as well as simple conical or flat surface.

The non-oriented and ductile film is not reducing the impact strength of the injected object.

The coated surface makes UV printing inks very durable.

PRIME-EX X1 IML LOW MIG is suitable for large articles with high wall thickness.

Surface finish		
Top (white printable side)		Gloss or Satin - with matt coating
Bottom (not printable side) black side		Matt embossed for easy handling (Geematt) Bottom side is untreated for easy welding to PP
Typical thickness µm		200-300
Thickness tolerance µm		+10-10
Specific Gravity	White 0050D	0.94
Format tolerance mm		+5-0

Property	Method	Unit	Value
Tensile Strength at Yield MD / TD	ASTM 882	MPa	15 / 15
Elongation at Yield MD / TD	ASTM 882	%	15 / 11
Tensile modulus	ASTM 882	MPa	850
Hardness Shore D-scale	ASTM D 2240		50
Tear	ASTM D1004	N/mm	>150

Surface: top side is coated for UV printing inks for long lasting printability.

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Inks: Use inks for suitable for plastics Always check carefully if ink is suitable to the job and process.

Foil blocking: use zinc or brass stamp. Select foils suitable for pp and for the required print resolution.

Conformity:

Conformity: PRIME-EX X1 IML LOW MIG is a printing substrate for articles that are coated with ink. The packaging producer should reduce migration by applying a barrier layer with varnish or lamination. Finished article or packaging should be tested for overall migration limits. This is the responsibility of the producer of the final article.

Norm	EN71/3 toy and safety standard	European Commission Regulation 10/2011	RoHS Directive 02/95/EC	Heavy metals Directive 94/62/EC
PRIME-EX X1 IML LOW MIG LOW MIGRATION	YES	YES * See statement of compliance COC	YES	YES

**Food contact conformity should be requester prior to placement of an order. Exten will not provide conformity declaration for articles already produced without particular notice from the client.*

Health and Safety:

For Health and Safety information, please contact our sales department

Production capabilities:

Thickness (micron)	Min width (mm)	Max width (mm)	max length (mm)	Corona treatment
190-300	900	1050	1000	Treatment on uncoated side is possible

Storage: store in dry and shaded place. Do not store at temperature higher than 25°C.

Recycling: Production rejects and waste should preferably be recycled instead of being disposed. **PRIME-EX X1 IML LOW MIG** is degradable by UV light and combustion. **PRIME-EX X1 IML LOW MIG** is not biodegradable.