

PRIME-EX X1 IML - WHITE

Polypropylene sheet for In-mold decoration

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

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

- White color.
- 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** 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 is suitable for large articles with high wall thickness.

Surface finish		
Top (printable side)		Gloss or Satin with matt coating
Bottom (not printable 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.

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

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

Conformity:

PRIME-EX X1 IML is suitable for **indirect** food contact.

Producer of the packaging should make sure that the printed article is not with direct contact with the packed food and a sufficient barrier exists between the inks and the food.

Specific food contact declaration with SML will be supplied on request.

Low migration version is available. Ask EX-P specialist.

Norm	Toy safety Directive 2009/48/EC Flammability & Migration	COMMISSION REGULATION (EU) No 10/2011	RoHS Directive 02/95/EC	Heavy metals Directive 94/62/EC
	Yes	No-if printing is external	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** is degradable by UV light and combustion. **PRIME-EX X1 IML** is not biodegradable.