Packaging & Graphic sheets

films, laminates and sheets

Technical Data Sheet

PRINT-EX IML-WHITE

Polypropylene sheet for In-mold decoration

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

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

- Main use is for labels printed in reverse and the ink is protected by the transparent sheet.
- **White** PP impact modified.
- Gloss surface for extremely glossy finish. Alternatively Satin finish
- Recyclable with polyolefin materials
- Very low orientation
- Ductile and formable results in high impact of the injected object
- Excellent adhesion to PP in IML
- No orange peel effect.
- Resistant to moisture and oils
- EU and US food contact approvals.

Applications:
The low orientation and flexibility of **PRINT-EX IML** makes it ideally suitable for complex die cutting and 3 dimensional complex molding as well as simple conical or flat surface.
Surface is corona treated according to client request.
PRINT-EX IML is suitable for large articles with high wall thickness.
If the injected base is colored it is recommended to use a **COLOR Coex White Black C0050A.** Ask EX-P speialist

Surface finish		
Top	Gloss or Satin	
Bottom	Matt embossed for easy handling (Geematt)	
Corona treatment: Specify what sides to treat in the order	>40 dyne/cm	
Typical thickness µm	190-300	
Thickness tolerance µm	+10-10	
Specific Gravity Natural	0.92	
Format tolerance mm	+5-0	

Property	Method	Unit	Value
Tensile Strength at Yield MD / TD	ASTM 882	MPa	14 / 14
Elongation at Yield MD / TD	ASTM 882	%	18 / 15
Tensile modulus	ASTM 882	MPa	800
Hardness Shore D-scale	ASTM D 2240		48
Tear	ASTM D1004	N/mm	>150

Surface: Corona treated for Flexo, Screen and Offset printing. The treatment is guaranteed for 3 month Check production date before printing! **State which sides to treat in the order.**

Exten SA Zona Industriale 3 CH-6850 MENDRISIO
Tel +41 91 64 00 50 Fax +41 91 64 00 55 Email info@exten.ch

PRINT-EX IML-WHITE

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:
PRINT-EX IML is suitable for direct food contact.
Specific food contact declaration with SML will be supplied on request.

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	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	1150	1000	Treatment on one or both sides is possible

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

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

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