

PRINT-EX LT

Polypropylene PRINT-EX LT Sheets High Impact at Low Temperature

Suitable for the production of stationary, promotion and packaging items for indoor use.

These sheets are specially formulated for low temperature service.

The formulation is more ductile and maintain its ductility at temperature up to -20°C

Embossing						
Top	Matt	Matt	Matt	Satin	Gloss	Matt
Bottom	Matt	Geematt	Orange	Matt	Matt	Peach
Thickness μm	300-1200	200-300	350-2000	300-800	300-1200	300-800
Thickness tolerance μm	+10-30					
Size tolerance mm	+5-0					
Angular tolerance 90°	90±0.2°					

Specific Gravity	White opaque (B)	300 – 400 μm	0.96
		401-700 μm	0.95
		701-1800 μm	0.93
	Colored	200-1800 μm	0.92-0.93
	Natural	Any thickness	0.92
Coefficient of thermal expansion		10 ⁻⁴ /K 5-80°C	1 mm for each meter for change of 10°C
Cold brake temperature			-15°C

Surface: both sides are corona treated for screen and offset printing. The treatment is guaranteed for 6 month for conventional screen printing and 3 month for UV screen and Litho printing. Check production date before printing!

For extended life and super ink bonding select PRIMEX grades

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

Wrap and distortion: PP sheets can be distorted by chemicals. Some conventional Litho inks contain chemicals that distort the sheets. Avoid inks with high mineral oil distillates. There is a risk of distortion when PP sheet is coming in contact with paper printed items, especially when the ink is still fresh (high odor emits from paper). Perform trials if such problem can accrue.

Printing acrylic OPV on the PP or laminating the paper that comes in contact with PP can reduce the risk.

Cutting and creasing: Acclimate the sheets to room temperature before converting (also in the core of the pallet). Use blades 0.7mm thick double bevel. Crease on flat bed. Smoothness of bed is important to get high quality crease.

Use rubber extractors between close cease roles in order to eliminate whitening.

When stamping use steel stamp for long stamp life.

During design stage, be aware of the sheet grain. Don't end internal cuts with straight end with radius.

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

Welding: the sheet can be welded by hot plate ultrasonic and hot air depends on application.

Conformity:

PRINT-EX LT is suitable for direct food contact under European Directive 2002/72/EC and amendments. Specific food contact declaration with SML will be supplied on request. Most EX-P standard colors confirms to the following norms. Check confirmation for special colors.

Norm	EN71/3 toy and safety standard	Food European Directive 10/2011 and amendments*	RoHS Directive 02/95/EC	Heavy metals Directive 94/62/EC
PRINT-EX LT	YES	YES	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.*

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 LT** is degradable by UV light and combustion. **PRINT-EX LT** is not biodegradable.