

ART-EX Matt orange is a colorful sheet especially formulated for stationary products. It features low stress whitening and is easily converted with conventional die cutting machines. Ex-P can supply it in a wide range of colors, effects, semitransparent and natural

Embossing	Matt	Matt
Thickness $\mu\text{m}$	300-1600	
Thickness tolerance $\mu\text{m}$	+20-30	
Size tolerance mm	+5-0 <i>when sheet length is longer than 1200 length may be longer</i>	
Angular tolerance 90°	90±0.2°	

Specific gravity	Colored	300-1600 $\mu\text{m}$	0.92-0.93
	Natural	Any thickness	0.92
Coefficient of thermal expansion		10 <sup>-4</sup> /K 5-80°C	1 mm for each meter for change of 10°C
Ductility transition temperature			~10°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 offset printing and UV digital. 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 offset 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 crease 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 line, 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 depending on application.

## ART-EX matt matt

### Conformity:

ART-EX Range is suitable for plastic materials and articles intended to come into contact with food. Specific food contact declaration with SML (Specific Migration Limits) will be supplied on request. Most EX-P standard colors confirms to the following norms. Check confirmation for special colors.

Norm	Toy safety Directive 2009/48/EC Flammability & Migration	COMMISSION REGULATION (EU N°10/2011(and following amendments, including EU 2018/79, EU 2018/213)*	RoHS Directive 02/95/EC	Heavy metals Directive 94/62/EC
	Yes	Yes	Yes	Yes

\*Food contact conformity should be requested **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. Before unpacking a pallet first remove the stretch wrap! If not the stretch film is bending the sheets.

**Recycling:** Production rejects and waste should preferably be recycled instead of being disposed. The sheet is degradable by exposure to UV light and combustion. It is not biodegradable.