

Technical Data Sheet

EX-P GREEN

EXP-GREEN is environmentally friendly polypropylene sheet. The source of the raw material is recycled scrap from various sources.

It can be recycled film; scrap of sheets after die-cutting; post consumed recycled material.

The final sheet contains 90-100% of regenerated PP

The properties of the sheet are not constant as Virgin material.

Printed scrap can cause spots or color change due to the type of the printing ink.

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

Embossing		Green orange	
colors	Black: Variation from black to dark gray are possible waves and spots are acceptable	White. Variation of color, dark color spots are acceptable	Natural: color shade variation, dark spots are acceptable
Top		Matt	
Bottom		Orange	
Thickness μm		400-1000	
Thickness tolerance μm		+10-30	
Size tolerance mm		+5-0	
Angular tolerance 90°		90 \pm 0.2°	

Specific Gravity	0.92-0.93	
Coefficient of thermal expansion	10 ⁻⁴ /K 5-80°C	1 mm for each meter for change of 10°C
Cold brake temperature	5°C	Take care when designing items used in cold temp.

Surface: both sides are corona treated for screen and offset printing. The treatment is guaranteed during the tests at the production. Since the material source is regenerated EX-P can't guarantee that migrating additives, mainly from the printed scraps, will not cause printing problems. EXP does not recommend printing UV offset on **EX-P GREEN**

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

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. 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: EXP-GREEN is not confirmed for food contact.

Stocking: 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. The sheets are degradable by UV light and combustion. Sheets are not biodegradable.