

PP FROSTED

TECHNICAL SHEET

DESCRIPTION	FAMILY:	Translucent
	GRAIN:	Matt/Matt
	MATERIAL:	Extruded polypropylene sheet.
	DENSITY:	0,91 g/cm ³
	COMMERCIAL NAME:	Tropic
	NUMBER OF COLOURS:	17
	STANDARD THICKNESS:	300 / 400 / 500 / 800 / 1200 µm
APPLICATIONS:		Stationery, promotional articles, displays, P.L.V., packaging, communication.

SPECIFICATIONS	CHARACTERISTICS	NORM	DENOMINATION	TOLERANCES
	Size	Internal norm	Lenght Width Squareness	-0 / +5 mm -0 / +5 mm ≤ 2 mm
Thickness	Internal norm	300 µm 400 µm 500 µm 800 µm 1200 µm	± 9 % ± 27 µm ± 8 % ± 32 µm ± 7 % ± 35 µm ± 5 % ± 40 µm ± 3 % ± 36 µm	
Corona treatment	DIN 53 364	Surface tension	≥ 42 dyne/cm	

RESISTANCE	Chemical resistance	Plakene Tropic is resistant to greases, solutions of weak acids, bleach liquors, alcohol and some oils. Not resistant to: strong oxidizers. It will inflate when it contacts with solvents as petrol, benzene, xylenol, toluene and other organic oxidizers, which can cause the material to curl. Not resistant to UV radiation, for example sun radiation, which will make it fragile. Please consult in any case of special needs.
	Physical Properties	Plakene sheets have excellent tear and shock resistance. Excellent conditions at 23 °C. By lower temperatures (about 0 °C), its resistance will be seriously altered. Please consult in any case of special needs.

PRINTING	Corona treatment	All Plakene Tropic PP sheets are corona treated on both sides which make them perfect for UV offset and UV screen Printing
	Printing guarantee	Offset UV printing is guaranteed within 3 months from the manufacture of the material. For automatic sheet feeding systems, guillotine trimming is strongly recommended. The UV screen printing is guaranteed within 6 month. Plakene Tropic is also recommended for hot foil embossing.
	Inks	We recommend that special inks are used for the polypropylene sheets. Due to the increase of new inks on the market, please consult the manufacturer.

TRANSFORMATION	Treatment	When the material is received, please undo the pallet and let the sheets acclimatize between 24 and 48 hours before you print in any way.
	Applications	Plakene Tropic is a material, which you can transform in many ways. You can stamp, crease either cold or heat temperature, sew, clinch, make flaps or glue with reactive PUR, weld with ultrasounds or with hot air. Please ask your supplier about more information concerning the various application possibilities.

STANDARD NORMS	Approvals	1) Food-contact: 2004/19/EC, European Resolution AP-89-1 2) Toys: EN 71-3 3) Electric and electronic equipment: 2002/95/EC Most of the colours comply with the norms. Please ask for more information at our factory.
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Important note: Information given within this technical sheet is based in our experience and therefore doesn't implies any guarantee of the use of the material.

