

# TECHNICAL DATASHEET

## Akyprop



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Description	Family:	Polypropylene		
	Grain:	Matt / Matt		
Specifications	Material:	Extruded Polypropylene sheet		
	Specific Gravity:	0,91 g/cm <sup>3</sup>		
	Commercial Name:	Akyprop		
	Standard Thickness:	500/800/1200 µm		
	Applications:	Stationery, promotional articles, displays, P.L.V., packaging		
Specifications	<b>Characteristics</b>	<b>Norm</b>	<b>Denomination</b>	<b>Tolerances</b>
	Size	Internal Norm	Length Width Squareness	-0 / +5 mm -0 / +5 mm < 2 mm
	Thickness	Internal Norm	500 µm 800 µm 1200 µm	± 7 %      ± 35 µm ± 5%        ± 40 µm ± 3 %        ± 36 µm
	Corona Treatment	DIN 53 364	Surface tension	> 42 dyne/cm
Resistance	Chemical resistance	Akyprop 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, xylene, 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	Akyprop sheets have excellent tear and shock resistance. Excellent conditions at 23 °C. At lower temperatures (about 0 °C), its resistance will be seriously altered. Please consult in any case of special needs.		
Printing	Corona Treatment	All Akyprop PP sheets are corona treated on both sides which make them perfect for offset and screen printing.		
	Printing Guarantee	Offset printing is guaranteed within 3 months from the manufacture of the material. For automatic sheet feeding systems, guillotine trimming is strongly recommended. The screen printing is guaranteed within 6 months. Akyprop 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	Akyprop 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.		
Standards	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		

\* For specific production and its technical data, please contact our sales department

**Important note:** Information given in this technical data sheet is based on our experience and therefore doesn't imply any guarantee on the usage of the material"