

Tampa® Tex TPX for Sensitive Applications

Printing of baby articles such as toys, drink bottles, and soothers

Pad
2018
18. Jan



Tampa® Tex TPX was originally designed for textile printing, and is also well up at the front at a great number of further substrates. A main application is printing onto baby bottles, drinking cups, soothers, and teething rings. Renowned European manufacturers of baby products use Marabu inks for these sensitive applications.

Tampa® Tex TPX for baby articles

Especially polypropylene and Tritan™ are substrates which are used for baby bottles and soothers. There are **very strict guidelines** for these applications: Ingredients such as hazardous heavy metals, PAH, phthalates, and BPA, to name only the most important, are an absolute exclusion criterion.

Due to the policies of the major textile manufacturers such as „Adidas A01“ and „Nike RSL“, Tampa® Tex TPX is already formulated in such a way that the stringent guidelines of the baby bottle, soother, and toy manufacturers can be met.

Even though our raw material suppliers certify the non-use of the above mentioned ingredients, **additional analyses** can confirm that they were not introduced by impurities either.

Processing of TPX in this field

There is a slight difference in handling the Tampa® Tex TPX when printing baby articles. Best results regarding **water and abrasion resistance** for dishwashers, microwaves, and sterilizers are achieved with the addition of 30 % Hardener H 2 (significantly better than with the standard hardener HX for textile printing). Depending on printing speed and conditions, the following thinners can be used:

Thinner	Evaporation speed	Addition
TPV	standard (fast)	10 - 30 %
TPV 2 *	very fast	10 - 30 %
TPV 7	fast	10 - 30 %
TPV 9 *	fast	10 - 30 %
TPV 8	slow	10 - 30 %

* Preferred thinner for the application on baby articles

When printing onto bottles made of PP, it is essential to consider a good **pre-treatment**. Above all, **gas flame** or **plasma treatment** come into question (gas flame is the safest method for bottles with different diameters). The pre-treatment with Corona is no issue due to the high printing speeds.

Contact

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