

## TUBASSIST ELASTOMELT SI

<b>Characterization</b>	Hotmelt adhesive granulate for producing silicone transfers in combination with ALPATRANS adhesives
<b>Chemical Composition</b>	Thermoplastic synthetic granulate/powder
<b>Appearance</b>	White, fine powder
<b>Melting Range</b>	110 - 135 °C
<b>Fineness</b>	80 – 200 μ
<b>Storage / Storability</b>	If stored properly in a dry place in originally closed containers between + 5 °C and + 40 °C, the product will hold for at least 12 months.

The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

### Properties

TUBASSIST ELASTOMELT SI is thermoplastic and facilitates the production of soft, resilient silicone transfers. Bonding with the textile is done by means of contact heat and pressure (ironing press).

### Film Properties

In combination with ALPATRANS BOND, TUBASSIST ELASTOMELT SI produces very elastic transfers with high layer stability and very soft handle. Elasticity, handle and fastnesses of the print transfers depend on the applied print system.

### Stability

Depending on the recipe composition, transfer temperature and textile substrate, the transfers properly produced with TUBASSIST ELASTOMELT SI show a good to very good adhesion to the textile substrates and reach a wash fastness of up to 60 °C.

## Application Technique

### Recommendation for Use / Processing

<b>Material Structure / Substrate</b>	The ready-made transfers can be applied to a multitude of nowadays common wovens and knits; they are particularly recommended for stretchable or elastic fabric qualities.
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<b>Application of Hotmelt Powder</b>	Normally, the hotmelt powder is sprinkled onto the still wet adhesive layer immediately after the adhesive printing or the freshly printed sheets are drawn through a tub with hotmelt powder.
<b>Drying of the Adhesive/ Hotmelt Layer</b>	Can be effected either in the drying chamber or in the continuous drier at temperatures of up to 80 °C at the most, 15 - 30 min.
<b>Cleaning-off of Excess Hotmelt Adhesive Powder</b>	Can be removed by brushing off with a soft brush by hand or with special cleaning units, possibly by means of a corresponding vacuum unit.  The further processing and the transfer conditions depend on the adhesives in use and can be found in the corresponding technical leaflets
<b>Transfer process</b>	In general, by means of common ironing presses with light to medium pressure  Recommended value            160 °C, 20 sec  depending on the operating conditions and the textile quality.

### **Recommendation for Use**

Before going into production, we recommend making it a rule to test first the suitability of the hotmelt adhesive powder in combination with the transfer adhesives and support papers used regarding wettability, adhesion respectively layer stability, fastness properties and process parameters and to control everything as well during the production run. Moreover, we urgently recommend testing the ready transfers as to their suitability for the substrate to be applied and the existing transfer conditions.

**We reserve the right to modify the product and technical leaflet.**

**Our department for applied technique is always at your service for further information and advice.**

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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