

## Technical data sheet

Article number:  
596-16823

**TAG16TD3**



<b>Product Group</b>	Printed circuit board labels (ESD), thermal transfer
<b>Product Family</b>	Helatag 823, PCB labelling
<b>Material</b>	Type 823, Polyester, white (823)
<b>Colour</b>	White gloss (GSWH)
<b>Adhesive</b>	Acrylic
<b>Adhesive strength</b>	Stainless steel: 495-545 N/m (PSTC 1), Acrylates: 720-790 N/m (PSTC 1), Polypropylene: 195-230 N/m (PSTC 1), Glass: 495-545 N/m (PSTC 1)
<b>Application Method</b>	The functionality and durability of the labels can be negatively affected if improperly processed or applied. All surfaces to be bonded must be clean, dry as well as free from dust and grease. Avoid touching the adhesive surface of the label as this could impair the application performance.
<b>Chem. Material Properties</b>	Excellent resistance against alcohol, petrol, solvents, butanol, etyl- and butylcellosolve solvents, battery acid.
<b>Curing Temperature</b>	from +10 °C
<b>Height (H)</b>	6.35 mm
<b>Initial tack [Test method]</b>	780 g/cm <sup>2</sup> [ASTM D2979-71]
<b>Labels per Row</b>	3 pcs.
<b>Material Durability</b>	2 years external weathering (central European climate). Foil becomes slightly yellow when exposed to direct sunlight.
<b>Mech. material properties</b>	According to ESD requirements of EIA 625 and 541.
<b>Operating Temperature</b>	-40 °C to +150 °C
<b>Package Content packed in</b>	reel
<b>Pack Cont.</b>	10000 pcs.
<b>Peel strength [Test method]</b>	550 N/m [PSTC 7]
<b>Print Method</b>	thermal transfer print
<b>Recommended Ribbon Type</b>	TT822OUT
<b>Shear strength [Test method]</b>	25 h [ASTM D3654]
<b>Storage conditions</b>	50% relative humidity., The storage in the original packaging is recommended., Please avoid warehousing under impacts such as high humidity, heat and coldness.
<b>Storage Temperature</b>	+21 °C
<b>Thermal Transfer Printer</b>	TT431, TT4030

Thickness of Foil [Test method]	51 µm [ASTM D3652-83]
Width of Liner (WL)	80.00 mm
Width (W)	22.86 mm

