

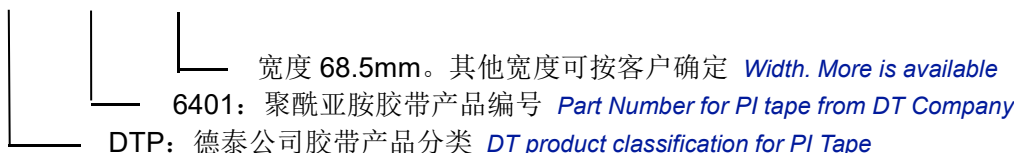
DTP6401 产品技术参数表 (Technical Data Sheet)

2025 年 3 月 (March, 2025)

1. 产品代码及名称: DTP6401 QFN 前贴高温制程用聚酰亚胺胶带

Product Designation: PI tape of DTP6401 for QFN

DTP 6401 - 685



2. 特性及应用 *Features and Applications*

2.1 产品特性 *Material Features*

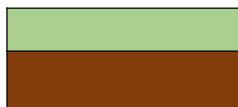
- PI 基材具有优异的耐热稳定性; *The PI substrate has excellent thermal stability.*
- 在 150 度以下条件下保持非胶粘性; *Remain non - tacky below 150 degrees Celsius.*
- 在 170 度至 250 度的工作温度条件下保持其独特的低粘结性。 *Maintain its unique low - adhesiveness at relatively higher temperatures from 170 to 250 degrees Celsius.*
- 该产品在流程工艺过程中，无胶残留。 *There is no adhesive residue during the process of using this product.*

2.2 产品应用 *Material Applications*

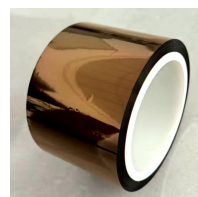
- 电子线路与电子元器件加工过程中的耐热遮盖和工艺定位固定等。 *It is used for heat-resistant covering, process positioning and fixing, etc. during the processing of electronic circuits and electronic components.*

3. 产品结构: *Material structure*

- 该胶带为两层构成，由聚酰亚胺薄膜涂覆低粘性聚合物胶粘剂后，再经后处理而制成。 *This product is composed of two layers. It is made by coating a low-viscosity polymer adhesive on a polyimide film and then subjecting it to post-treatment.*
- 该胶带产品无离型层。 *This tape has no release liner.*



聚合物胶 *polymer adhesive* 1~2um
PI 膜 *film* 25um



产品结构示意图 *Diagram*

产品示意图 *Diagram*

4. 产品性能: *Material properties*

测试性能 <i>Properties</i>	单位 <i>Unit</i>	典型数值 <i>Typical value</i>
产品应用 <i>Purpose</i>	--	高温压敏胶带 <i>High Adhesion</i>
与光铜面胶粘强度 <i>Peel strength with copper shiny surface</i> 170 ~ 180 ℃ 190 ~ 200 ℃ 200 ~ 220 ℃ 230 ~ 250 ℃	g/cm ²	30~45 45~50 50~350 400~650
产品结构 <i>Composition</i>	--	2 层 (PI 膜+胶) <i>2 layers (PI film + Adhesive)</i>
胶粘剂厚度 <i>Adhesive Thickness</i>	um	1~2
基膜 PI 厚度 <i>PI Thickness</i>	um	25
胶粘剂 <i>Adhesive Layer</i>	--	耐高温热塑性聚合物 <i>High-resistant Thermoplastic Polymer</i>
CTE (胶带材料 <i>Total</i>)	ppm/℃	16
引线粘接性 <i>Wire Bondability</i>	--	优异 <i>Excellent</i>
边缘毛刺 <i>Flash Burr</i>	--	无 <i>None</i>
胶带去除温度 <i>Tape Removal Temp.</i>	℃	180~200
耐热胶残留* (在 240℃ 下烘烤) <i>Adh. Residue After De-taping (240) ℃</i>	60 sec	无残余/溢胶 <i>Non-residual, No glue spillage</i>

- 以上数据为产品的典型数值，最终出货产品具体数据以所发货物随附的测试报告为准；*The above data are typical values. For the detail data of the finally shipped products, please refer to the test report attached to the goods.*
- 这些数据及推荐工艺仅供客户应用时参考，产品是否适合其相关使用应由客户最终判定。*The data and recommended processes are provided only for the customer's reference during application. The customer shall ultimately determine whether the product is suitable for its relevant use.*

5 产品包装 *Product package*

5.1 标准卷数量：300 米长，无接头。 *Standard package: 300M roll and non-splice.*

5.2 卷芯直径：3 英寸（76mm）*3" of inner core diameter is available*

5.3 更多的产品宽度和卷长，可按客户要求执行。*More width and roll length can be provided per customer*

6 产品贮存条件和保质期 *Product storage and Shelf life*

在温度：≤ 30℃，相对湿度：≤ 70%条件下，自生产日期起 180 天（保存在未开封的原包装里）；

Under temperature ≤ 30 ℃ and relative humidity ≤ 70%, 180 days can be stored since producing date and keep in unopened original package.