

BEST TECHNOLOGY CO., LIMITED

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[Http://www.metal-domes.com](http://www.metal-domes.com)

9E, Jindacheng Building, Center Rd., Shajing Town, Bao'an District, Shenzhen, 518104, China

**PET 无胶材料特性
Property of PET Without Glue**

Here is property of PET with double sided glue used in [polyester dome \(Polydome\)](#) in Best Technology.

产品说明书 Product specification



7972 - 超薄双面胶帶技术数据表

7972 - Ultra-thin double-sided tape

Technical data sheet

第 3 版 修订日期: 2009/09/05

Version 3: Revision date: 2009/09/05

产品描述: 7972 是一款透明超薄双面胶帶, 由 PET 基材和改良压敏胶胶水构成。薄但具有高粘力, 在苛刻的环境条件下具有优异的抗力, 在加工过程中具有优异的操作性能。适合金属或塑料商标及标记、LCD 反射片、塑料薄片的粘接。

Product description: 7972 is a transparent ultra-thin double-sided tape composed of PET substrate and improved pressure-sensitive adhesive. Thin but with high adhesion, excellent resistance under harsh environmental conditions, and excellent operating performance in the processing process. It is suitable for the bonding of metal or plastic trademarks and marks, LCD reflectors and plastic sheets.

材质物性 (非用作标准规格目的)

Material property (not for standard specification purpose):

材质说明 Material description		普通物理特性 General physical properties	
胶水类型 Adhesive types	亚克力 Acrylic	对钢板粘着力 (剥离) Adhesion on steel plate (release) GB/T2792-1998	8N/2.5 cm
基材 Base material	PET	静态剪切力 (保持) Static holding power GB/T4851-1998	1000g, 6.4cm ² , 2,880 min+
厚度 Thickness	胶帶 Tape	0.048mm (48um)	
	离型材料 Release material	0.075mm (75um)	初期粘着力 (初粘) Initial adhesion GB/T4852-2002 斜槽法 Skewed Slots method
	总计 Total	0.123mm(123um)	
离型材料 Release material	棕色格拉辛 Brown GLASSINE	耐溶剂性 Solvent resistance	好 Fine
胶帶颜色 Tape color	透明 Transparent	耐温性 thermal endurance	100°C
保质期 expiration date	在 21°C (70°F) 及 50% 相对湿度的环境下保存, 自皇冠发货日期起 12 个月 Stored at 21 °C (70°F) and 50% relative humidity for 12 months as of the date of shipment of Crown		

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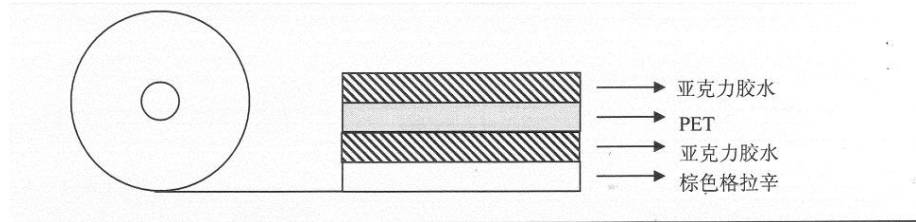
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产品结构: Product structure:



亚克力胶水: Acrylic adhesive
棕色格拉辛: Brown GLASSINE

适合用途:

Suitable purpose:

1) 7972 具有高粘力, 在苛刻的环境条件下具有优异的抗力, 在加工过程中具有优异的操作性能。

1) 7972 has high viscosity, excellent resistance in harsh environmental conditions, and excellent operating performance in the processing process.

2) 适合金属或塑料商标及标记、LCD 反射片、塑料薄片的粘结。

2) It is suitable for the bonding of metal or plastic trademarks and marks, LCD reflectors and plastic sheets.

尺寸规格: Dimensions:

胶带厚度 (um) Tape thickness (um)	宽度 (mm) Width(mm)	长度 (m) Length(m)
48	3~1240	50

注: 可接受其他尺寸规格 (宽度、额外长度), 请联系我方。

Note: Other dimensions are also accepted (such as width, extra length), please contact us.

7972 技术参数 & 产品说明书

7972 Technical parameters & Product specification

备注: 以下技术信息及参数应视为只具代表性或只是典型, 而不应作为产品的标准说明。

Remark: The following technical information and parameters are representative or typical instead of standard description of the product.

参数说明

Parameter instructions:

1) 不同表面的粘着力

1) Adhesion on different surfaces:

材料 Material	即时 (N/2.5 cm) Instant (N/2.5 cm)	14 天后 (N/2.5 cm) After 14 days (N/2.5 cm)
钢板 Steel plate	8	17
铝板 Aluminum plate	5	11
ABS	8	12
PC	7	9
PS	7	12
PET	11	15
PVC	3	5
PP	6	8
PE	4	5

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2) 不同温度下的保持力 (粘贴面: 20mm*13mm, 不锈钢, 20 分钟放置时间)

2) The holding power under different temperatures (paste face: 20mm*13mm, stainless steel, setting for 20 minutes)

温度 Temperature	吊重 sling load	掉落时间 Falling time
23℃	250g	>10000 min
40℃	125g	>10000 min
70℃	70g	>10000 min

3) 不同吊重下的保持力 (粘贴面: 25mm*25mm, 不锈钢, 20 分钟放置时间)

3) The holding power under different sling load (paste face: 25mm*25mm, stainless steel, setting for 20 minutes)

温度 Temperature	吊重 Sling load	掉落时间 Falling time
23℃	1kg	>2880min
23℃	2kg	>1440min

4) 耐温性

4) thermal endurance

短期 Short-term	200℃
长期 Long-term	100℃

5) 机械性能

5) Mechanical properties

抗张强度 tensile strength	≥3kg/15mm
伸长率 elongation	50%

产品说明书

Product specification

7972 高强度薄膜双面胶带

7972 High strength film double-sided tape

应用技巧:

Tips:

1. 粘结强度取决于粘结物体表面的胶量。作业时稳固的压力能够提高粘合剂的接触性能及粘结强度。

1. The bond strength depends on the amount of glue on the surface of the object. The stable pressure during operation can improve the contact performance and bond strength of the adhesive.

2. 为了获得最佳粘力, 粘接表面必须要干净, 干燥及均匀平整。典型清洁溶剂为异丙醇和水。处理溶剂时使用适当的措施。

2. In order to obtain the best adhesion, the adhesive surface must be clean, dry and even. The typical cleaning solvents are isopropanol and water. Appropriate measures should be taken when dealing with solvents.

3. 理想应用温度范围为 21℃ - 38℃ (70°F - 100°F)。初始使用胶粘带粘贴表面时, 不建议在 10℃ (50°F) 以下进行, 因胶粘剂会变得太硬而不易粘贴, 尽管如此, 如正确使用, 低温下的保持力也能获得满意的效果。

3. The ideal application temperature ranges from 21℃ to 38℃ (i.e. 70°F - 100°F). While initially using adhesive tape to paste the surface, it is not recommended to do so below 10℃ (50°F) because the adhesive will become too hard to paste. However, if used correctly, the holding power at low temperature can also achieve satisfactory results.

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说明:

Illustration:

所列数值由标准测试方法决定，且是平均数值，并非作为标准规格说明的目的。我们对我们的产品的使用建议基于可信的测试之上，但我们要求你们进行自己的测试以决定产品对你们的用途的适宜性。

The values listed are determined by the standard test method and are average values and are not used for the purpose of standard specifications. Our recommendations for the use of our products are based on reliable tests, but we require you to conduct your own tests to determine the suitability of the products for your use.

重要事项:

Special notes:

皇冠公司不作任何明确的或暗示的担保，包括为某种特别目的的、商业性或适用性的担保。

Crown does not make any express or implied warranties, including warranties for a particular purpose, commercial nature or applicability.

赔偿及责任的权限:

Authority for compensation and liability:

若经证明，皇冠产品存在缺陷，唯一的责任，就是退货或修复产品或补发货物。

If it is proved that Crown product is defective, the only responsibility we have to bear is to return or repair the product or reissue the goods.



Above parameters maybe adjusted without notice. If you want to know exact carbon ink used in your [polyester dome \(Polydome\)](#), please contact us for more details.

Best Technology Co., Limited

2019-03-31

Rev 2.0