D24 Composite Prox Cards

Delivering durability and high quality to optimize your Prox solutions...

Introducing the D24 Composite Cards

Reliability with the strength of a highly durable 60/40 PVC/PET composition makes these the ideal card solution when sleek card design and composition matter. These cards are made to withstand the test of time while still allowing for a practical card application that’s multifunctional, flexible, and fits in your wallet. Whether temperature, exposure, or increased wear and tear, this card not only is a great substitution for traditional clamshell cards but also withstands in circumstances that would more readily potentially compromise alternative PVC card options. When quality and security matter, composite cards provide the optimal card choice.
# D24 Composite Prox Card Specification

| Product | **Part#:** D24-XTR-PRX-001  
**Part#:** D24-XTR-PRX-101 (Hi-Co Mag)  
Blank Composite cards with LF125Khz chip, LF antenna and hole punch marks. |
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<td><strong>Card Type</strong></td>
<td>60% PVC(Polyvinyl Chloride)/ 40% PET (Polyethylene)</td>
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| **Inlay** | IC: LF 125 KHz  
COIL: 40x70mm |
| **Specification** | |
| **Dimension** | Thickness: 0.89 ~ 0.92mm; Width: 53.92 ~ 54.03mm; Length: 85.47 ~ 85.72mm |
| **Operating Temp.** | -40 to 160°F (-40 to 70°C) |
| **Write Endurance** | 100,000 cycles |
| **Function** | Frequency: 125KHz+/−6KHz  
Read range: > 4 cm  
Mag Option: High coercivity magnetic stripe rated 4000 Oersted |
| **Mechanical Test** | Peel Strength ≥0.35N/mm  
ISO Bending  
Bending: 100,000 cycles |
| **Visual Test** | Bubble: <1mm;  
Dent: Front side, <0.8mm, Back side, <2mm  
Protruding: <0.8mm  
Scratch: Width <0.2mm, Length<19.05mm  
Color Dot: <0.8mm  
Printing Test: Card surface can be thermal printed |
| **Thermal Shock Test** | Test condition: -35°C to 70°C, 50 cycles, soaking time 5 minutes, transition time 1 min.  
Criteria: RF function OK, No de-lamination. |
| **Storage Conditions** | Humidity: 45 - 75% relative humidity  
Temperature: 22 ± 3°C |

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