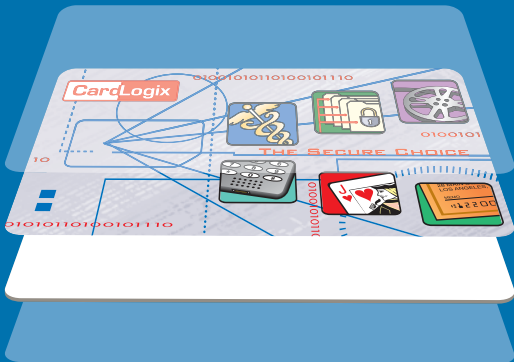




# Card Substrate Options

The Foundation of Your Card Program



CardLogix offers a wide variety of standard card bodies to meet the demands of each market. In addition to these off-the-shelf options we can formulate a custom card to meet your specific needs.

For some applications unique and distinctive card bodies are needed to help differentiate your program from the competition. We can supply clear, translucent, metallic or color shifting plastic cards. We also offer specialty internal cores and watermarking to help your card be identified against forgery. These options are all available as custom projects based on quantity. Take advantage of our company's many years of experience and testing to get the right product for the job.

## Standard Substrates

### Commercial Grade Cards

For applications such as loyalty and libraries, these general purpose card bodies are the most cost effective. These are typical of the majority of PVC cards in you wallet today.

### Biodegradable Grade Cards

Based on the (NatureWorks® PLA) material our biodegradable card is manufactured from corn. They are identical in look and feel to traditional plastic PVC cards. Help our environment and specify a product that you can be proud to issue.

### Precision Identity Grade Cards

These cards are used when dimensional tolerances are critical and the card may be printed with additional imaging (such as an employee badge).

### Government Certified Cards

Some programs require ongoing card body certifications to qualify. CardLogix can help you come through with the toughest cards certified today.

### Molded ABS SIM Cards

Are designed for the specific demands of the Telecommunication industry. These cards are designed to be used in high temperature mobile devices and are rarely handled by the consumer.



# Card Substrate Options

The Foundation of Your Card Program

Substrate	Expected Life	Material	Compliance	Dimensional Characteristics	Operating Temperature Range
<b>Commercial Grade</b>	1-2 years	PVC	CR80	2.12" x 3.37" x 0.32" Nominal	-30° + 50° C -31°+122° F
<b>Precision Identity Grade</b>	1-2 years	PVC	ISO 7810	2.125" ±.002" x 3.370"±.005" x .0315" ±.0015	-30° + 50° C -31°+122° F
<b>Precision Identity Grade</b>	3-5 years	PVC-PET Composite	ISO 7810	2.125" ±.002" x 3.370" ±.005" x .0315" ±.0015	-30° + 50° C -31°+122° F
<b>Government Certified Grade</b>	3-7 years	PVC-PET Composite	ISO 7810 &10373, ANSI322	2.125" ±.002" x 3.370" ±.005" x .0315" ±.0015	-30° + 50° C -31°+122° F
<b>Molded SIM</b>	3 years	ABS	ETSI-EN 301 086	2.12" x 3.37" x 0.32" Nominal	-20°C to +75°C -4°to +167° F
<b>Biodegradeable Card Grade</b>	1-2 years	PLA	CR80	2.12" x 3.37" x 0.32" Nominal	-30° + 50° C -31°+122° F

CardLogix offers a wide range of colored PVC substrate in commercial grade. We stock three types of metallic finishes, along with many standard colors.



CardLogix has engineered many specialty substrate formulations to meet the stringent technical demands that can come from embedded systems or roughly used cards. In addition to our standard substrates we can also put chips in the following materials:

- Polycarbonate
- PVC/ABS Blended Stock
- Teslin
- Lenticular Polyester
- Recycled PVC
- Thermoformed Polyester
- Re-Writable PVC (Ricoh System)