

**Technical Data Sheet**

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## Snap-On Markers

This specification is intended to outline the physical and chemical properties of *PANDUIT*'s snap-on marker material and include the following part number identifiers:

| Part Number Prefixes |        |  |
|----------------------|--------|--|
| GPCV-M*Y             | PCV-*Y |  |
| GPCV-R*Y             |        |  |
|                      |        |  |
|                      |        |  |

**PRODUCT SPECIFICATIONS:**

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|                                  |   |
|----------------------------------|---|
| Description:                     | Material is RoHS compliant (European Union directive 2002/95/EC).<br>This material is a rigid vinyl with a smooth finish on both sides. |
| Print Methods:                   | This material is preprinted.  |
| Standard Colors:                 | Orange, Yellow  |
| Thickness:                       | 11.0 +/- 1.0 mils   |
| Service Temperature Range:       | -20°F to 176°F (-29°C to 80°C)  |
| Minimum Application Temperature: | 40°F (4.4°C)  |
| Storage Conditions:              | Store at 70°F (21°C) and 50% Relative Humidity.   |

**PROPERTIES:****PERFORMANCE:**

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|                        |  |
|------------------------|--|
| Tensile Strength:      | MD: 5000 – 10,000 psi (PSTC-131)               |
| Elongation:            | MD: 50% (PSTC-131)                             |
| UV Resistance:         | *3000 hours no change observed (ASTM G154)     |
| Specific Gravity:      | 1.20 minimum                                   |
| Impact Resistance:     | 15.0 ft-lb/in (Izod Notch test at 72°F (22°C)) |
| Flexural Strength:     | 10,000 – 13,000 psi                            |
| Modulus of Elasticity: | 370,000 – 500,000 psi (flexural)               |

\*3000 hours equates to 5 years of assimilated outdoor UV exposure.

**Technical Data Sheet****CHEMICAL RESISTANCE TEST:**

| CHEMICAL              | 7 DAY IMMERSION | DIP TEST |
|-----------------------|-----------------|----------|
| Distilled Water       | NC              | NC       |
| Mineral Spirits       | NC              | NC       |
| Gasoline              | NC              | NC       |
| Toluene               | NC              | NC       |
| Isopropyl Alcohol     | NC              | NC       |
| Acetone               | MD              | MD       |
| Methyl Ethyl Ketone   | MD              | MD       |
| 1,1,1 Trichloroethane | NC              | NC       |
| SAE 30 Motor Oil      | NC              | NC       |
| ASTM #3 Oil           | NC              | NC       |
| 30% Sulfuric Acid     | NC              | NC       |
| 10% Sulfuric Acid     | NC              | NC       |
| 30% Hydrochloric Acid | NC              | NC       |
| 10% Hydrochloric Acid | NC              | NC       |
| 5% Acetic Acid        | NC              | NC       |
| 50% Sodium Hydroxide  | LD              | NC       |
| 10% Sodium Chloride   | NC              | NC       |
| Alconox               | NC              | NC       |
| Diesel Fuel           | NC              | NC       |

NC = No Change

LD = Loss in print density

MD = Material disintegrates

7 Day Immersion : Immersed in chemical for 7 days

Dip Test: Five 10 minute immersions in chemical with 30 minute recovery time

**References:**

PSTC: Pressure Sensitive Tape Council (U.S.A.)

ASTM: American Society for Testing and Materials (U.S.A.)

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