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:

Description:	Material is RoHS compliant (European Union directive 2002/95/EC). 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:
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.

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.)