



128-09(MP)

MEDIUM PRESSURE VARIABLE RESISTOR INK

DESCRIPTION: 128-09(MP) is an electrically conductive ink that decreases in resistance as pressure is increased. Along with superior resistance to flexing and creasing, this product features excellent adhesion to Kapton, PET, Glass and a variety of other substrates. Some applications for 128-09(MP) include, but are not limited to, pressure transducers and pressure sensitive membrane switches. This product is designed to be blended with 128-09(LP) to achieve a modified conductivity.

TYPICAL CURED PROPERTIES:

Viscosity at 25°C (cps.)	25,000
Thixotropic Index	2.5
Specific Gravity (H ₂ O = 1)	1.07
Filler	Carbon
Crease Resistance	Excellent
Sheet Resistivity Max (Ω /sq/mil)	5,000
Useful Temperature Range (°C)	-55 to +250
Thermal Stability (°C)	Good to 325

SUGGESTED HANDLING & CURING: Although 128-09(MP) is ready to be used as supplied, prior to using, be certain to resuspend the filler. Further thinning may be accomplished by adding small amounts of thinner 120-08. Best properties for most substrates result when cured for 10 minutes at 140°C, however most mechanical properties develop with 50°C temperatures. This product is intended to be screen-printed through a 230-mesh count screen or tighter, with emulsion thicknesses less than 30 microns; for a target cured applied thickness of less than 12 microns.

STORAGE: Shelf Life of 3 months at 25°C, or 6 months at -10°C.

SAFETY & HANDLING: Use with adequate ventilation. Keep away from sparks and open flames. Avoid prolonged contact with skin and breathing of vapors. Wash with soap and water to remove from skin.