CREATIVEMATERIALS

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128-09(HP)

HIGH PRESSURE VARIABLE RESISTOR INK

DESCRIPTION: 128-09(HP) 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(HP) include, but are not limited to, pressure transducers and pressure sensitive membrane switches requiring improved resolution beyond 5 kilograms of pressure. This material is designed to be blended with 128-09(LP) to achieve a modified conductivity.

TYPICAL CURED PROPERTIES:

Viscosity at 25°C (cps.)	50,000
Thixotropic Index	3
Filler	Proprietary
Specific Gravity (H_2O = 1)	1.49
Crease Resistance	Excellent
Sheet Resistivity Max (Ω/sq/mil)	250,000
Useful Temperature Range (°C)	-55 to +250
Thermal Stability (°C)	Good to 325

SUGGESTED HANDLING & CURING: Although 128-09(HP) is ready to use 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 15 minutes at 140°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

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 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.

REVISION DATE: 11/08/18 REVISION: A