Technical Data Sheet

Silver Conductive Adhesive 478SS

#12685-15

The Silver Conductive Adhesive 478SS is a conductive, silver-based polymer. It is a thick film ink that is used to conduct screen printing onto membrane switches. It can be heat cured for maximum performance. In addition, it is compatible with surface mount epoxy systems, has an extended screen residence time, has a high Tg to prevent any blocking, has outstanding creasability, excellent adhesion to polyester film, and has a very low sheet resistance, Furthermore, it has superior abrasion resistance and hardness.

Instructions

Curing

This product is made ready to use. If thinning is necessary, dilute 5% by weight with Carbitol Acetate. When finished, you may clean the equipment used with MEK, MIBK, Acetone or solvents alike.

Screen Printing Process

You may apply this product by the standard screen printing process. Dried thickness and final resistance may vary due to the following: screen mesh size, squeegee material, screen material, and emulsion thickness.

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Density, kg/l	2.52
Shelf life at -12 to 27°C (from date of qualification	in original
seal), days	365
Flash point, Tag closed cup flash tester, °C	110
Cured Material	
Physical properties	
Pencil hardness	В
Theoretical coverage at 25 μm coating thickness	
Sq. ft./gal	555
m²/kg	5.41
Electrical properties	
Sheet resistance, 25 μ m thickness, ohms/sq	<0.015