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**TECHNICAL DATA SHEET
MP5405**

DESCRIPTION:

MP5405 is a two part unfilled epoxy adhesive designed for ceramics and most plastics. It cures to a tough semi-rigid material, and is free flowing in viscosity. It gives good resistance to water, salt spray, inorganic acids and bases, and most organic solvents. It was especially formulated to a 1:1 mix ratio for use in either MMD equipment or side-by-side dual cartridges for easy dispensing. A handling cure is normally achieved at room temperature within 3-5 minutes, with full cure in 24 hours. An elevated temperature cure schedule can be used to reach final properties quickly.

TYPICAL PROPERTIES:

| | | |
|----------------------------|---------------|-------------------------------------|
| Color | | Clear |
| Viscosity | Part A | 12,000cps |
| | Part B | 13,000cps |
| | Mixed | 12,500cps |
| Specific Gravity | Part A | 1.16 |
| | Part B | 1.15 |
| | Mixed | 1.16 |
| Pot Life | | 3-5 minutes |
| Mass | | 20 grams |
| Hardness Shore - D | | 80 |
| Tensile Elongation | | 3-5% |
| Tensile Strength | | 7000 psi (2300 psi Al to Al) |
| Dielectric Constant | | 4.5 (25°C, 100Hz) |
| Dielectric Strength | | 410 v/mil |
| Volume Resistivity | | 8 x 10¹⁴ ohm-cm |
| Temperature Range | | -40 to 130°C |

MIX RATIO:

| | |
|------------------|---------------|
| by weight | 1 to 1 |
| by volume | 1 to 1 |

SHELF LIFE:

12 months in unopened container

NON-WARRANTY: Information contained herein is based on tests we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. Adhesive Systems shall not be liable for any injury, loss, or damage in the use of its chemical products since the conditions of use are beyond our control. In every case we urge and recommend the user conduct tests to determine to their own satisfaction that the product is of acceptable quality and is suitable for their particular purpose under their own operating conditions. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Because of changing reporting requirements and other variables it is impossible to guarantee the accuracy of the information contained in this document. It is the responsibility of the user to determine proper personal protection based on the actual condition of use and to comply with all Federal, State, and Local laws and regulations.

