



An ISO 9001:2008 Certified Company

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MAXIMUM PERFORMANCE SERIES

MP 5405 Black

Description:

MP 5405 Black is a two part unfilled modified epoxy adhesive designed for high speed bonding of metals, ceramics, and most plastics. It cures to a tough, rigid polymer, 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 7 - 10 minutes with full cure in 24 hours. An elevated temperature cure schedule can be used to reach final properties quickly.

Handling and Storage:

- 1) Bring both components to room temperature prior to mixing. Mix 1 parts A to 1 part B thoroughly.
- 2) Allow to cure undisturbed until product is fully gelled or tack-free to the touch.
- 3) Clean up uncured resin with suitable organic solvent such as MEK, acetone or a chlorinated solvent.

Mix Ratio:

1A:1B by weight or 1A:1B by volume.

Shelf Life:

12 Months

Handling Characteristics:

All properties given are at 25C unless otherwise noted.

Color	Clear	
Viscosity	Part A	15,000cps
	Part B	13,000 cps
Specific Gravity	Part A	1.14
	Part B	1.15
	Mixed	1.14
Pot Life	3-5 minutes	
Mass	100 grams	
Tensile Strength	>1500 psi	
Lap Shear (Al to Al)		
Tensile Elongation	3 - 5%	
Temperature Range	-40 to 125C	
Hardness	78-80	
	Shore -D	
Dielectric Constant	4.5	
(25C, 100Hz)		
Dielectric Strength	400-450 v/mil	

NON WARRANTY: Information contained herein is based on test and information we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. ASI 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 suitable for their particular purpose under their own operating conditions. Statements concerning the possible use of our products are not intended as recommendations or to use our products in the infringement of any patent. These products are for Industrial Use only.