



TECHNICAL DATA SHEET
TDS #: MP55310
METHACRYLATE ADHESIVE

MAXIMUM PERFORMANCE SERIES
MP55310 METHACRYLATE ADHESIVE

DESCRIPTION:

MP55310 is a high performance two part methacrylate adhesive engineered to bond a wide range of plastics, metals, and composite assemblies. It offers outstanding bond strength, is extremely durable, with excellent impact and weathering properties. MP55310 greatly increases the reliability of finished assemblies with exceptional flexibility, it's ability to with stand extreme temperature fluctuation and thermal cycling, and resistance to a wide range of chemicals and environmental conditions.

PHYSICAL PROPERTIES (UNCURED):

VISCOSITY @ 25°C (cps):	RESIN	50,000
	ACTIVATOR	50,000
COLOR:	OFF WHITE	AMBER, GREY, OR BLACK
MIXED DENSITY:	8.20	
MIX RATIO:	VOLUME	1 TO 1
	WEIGHT	1 TO 1
THIX INDEX:	5	
FLASH POINT:	51°F	

PHYSICAL PROPERTIES (CURED):

STRENGTH (PSI):	SHEAR	3000-3500
	TENSILE	3000-3500
WORK TIME:	10-18 MINUTES	
HANDLING STRENGTH:	20-35 MINUTES	
GAP FILL:	.125 INCHES	
TEMPERATURE RANGE:	-67°F - +250°F	

PACKAGING:

The MP 55310 Series is conveniently packaged in 50 mil, 400 mil, pail, and drum kits. Special packaging is available upon request.

EFFECTS OF TEMPERATURE:

The product is best used at temperatures between 65° F and 80° F. Temperatures below 65° F will slow the cure speed of the material and viscosities will be higher. Temperatures above 80° F will cause the material to cure faster and viscosities will be lower. For consistent dispensing maintain temperature in the above mentioned range.

WHAT THE MP SERIES BONDS:

METALS

- *ALUMINUM
- *STEEL
- *STAINLESS
- *COATED METALS

THERMO SETS

- *FIBERGLASS
- *PHENOLICS
- *GEL COATS
- *EPOXY
- *RIM URETHANE
- *POLYURETHANE
- *LIQUID MOLDING RESINS

THERMO PLASTICS

- *ACRYLICS
- *ABS
- *POLYCARBONATES
- *NYLONS
- *PPO's
- *VINYL'S
- *PVC's
- *STYRENE'S
- *PEEK's
- *PBT BLENDS
- *PET BLENDS

BENEFITS:

- >NO SURFACE PREP
- >EXCELLENT STRENGTH
- >IMPACT RESISTANT
- >100% REACTIVE
- >ROOM TEMPERATURE CURE
- >EASILY APPLIED