

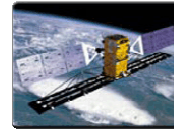
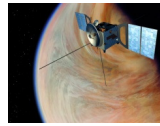
# MicroCoat Technologies, LLC

McKinney, Texas Tel. +1.972.678.4950

*“Unparalleled in UV Cure Polymer Technology, Conductive Adhesives, and High Temperature Epoxies”*

ISO 9001/2008

<http://www.m-coat.com>



**CLASS VI\* MEDICAL ADHESIVES**  
**FACE MASK BONDING**  
**STYLUS & CANNULA BONDING**  
**RESERVOIR BONDING**  
**MOLDED SHELL BONDING**  
**CATHETER BONDING**  
**TUBE SET BONDING**  
 \* PASSES MOLD SPORE INITIATION



**OVER 2200 FORMULATIONS FOR;**  
**MEDICAL, MILITARY, DOWN-THE-HOLE, AEROSPACE, SATELLITE**

ALL Materials are RoHS Compliant  
 No Materials That Contain Latex  
 Microelectronic Materials that Meet  
 NASA-RP-1124 ASTM E595 & Mil Std 883  
 Method 5011

UV and UV/Visible Light  
 Curing Equipment



UV Cured Hearing Aid Shells & Forms

Moisture Protection for Switches  
 Electrical/Electronic Equipment  
 Automotive  
 Machine Tools  
 Medical Equipment and Devices  
 Trucks and Busses  
 Heavy Equipment  
 Lawn and Garden  
 Restaurant Equipment



**SUPER HIGH TEMPERATURE CONDUCTIVE**  
**DIE ATTACH ADHESIVE TO >650°C**  
 85% Ag – **NO ORGANICS**  
 NO Outgassing – **NONE! NADA!**  
**APPROVED FOR A HARD LANDING ON**  
**VENUS!!!!!!**

Dispense Equipment



Lead Coating to Reduce the Possibility of Tin  
 Whisker Migration on Fine Pitch IC's

Optically Clear Glob Tops for IC's, LED's, EPROMS,  
 Etc.

Optically Clear Coatings and Adhesives for;

- WADM Modules
- Modulators
- Attenuators
- Pump Lasers
- Switches
- Amplifiers



UV Cure fill for Thermoelectric  
 Components

A Moderately Flexible, High Temperature,  
 UV Cure Coating

UV Cure SMD LED and Opto Components  
 Encapsulants

Inductor Coating Encapsulants for Vacuum  
 Pick & Place

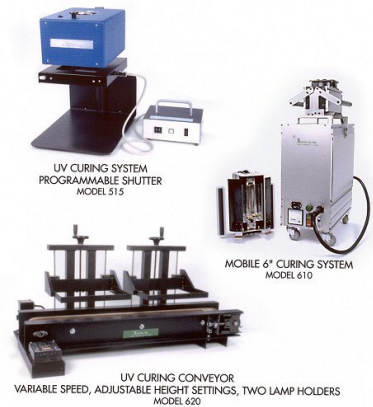


MCT10790UV

UV Cure Low Temperature Glass  
 Replacement for Chip Resistors and  
 Hybrid Circuits

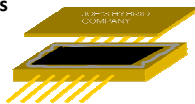
100% Solids  
 <25 Second Cure Time  
 Withstands 230°C Solder Reflow  
 Print and Cure Before or After Trimming  
 No Post Cure Resistor Drift - None!

UV Area Cure Systems & Conveyors



Epoxy Sealing of Hybrids and Power Devices

MCT 3417 Hi Temp Sealing  
 Passes 340C Die Attach 5 minutes  
 Passes 350 Cycles -65C- +150C  
 Passes 85/85  
 Passes Gross Leak



Die Attach Adhesives

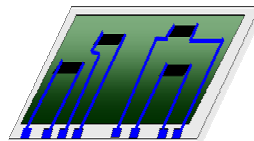
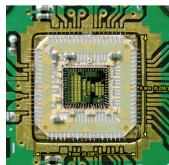
**Single Component, Non Frozen, Non-Conductive**  
 Die Attach Adhesive For Up to 280°C

Conductive Adhesives

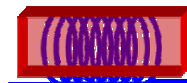
**Single Component, Non Frozen, Conductive**

**Die Attach Adhesive For Up to 280°C**

SMD Attach To PCB and Ceramic  
 Screen Printing Traces  
 Die Attach  
 Solder Replacement  
 Flex Silver Traces  
 Chip Component Termination  
 Bio-Sensors



Optically Clear UV Cured Photo Cell  
 Coatings



**NEW MCT3715-2SE**  
**EXTREMELY LOW MSL**  
**CONDUCTIVE DIE ATTACH**

MCT5341-25V2 3D CONDUCTIVE MCT0802-31

Represented or Distributed by;

GM SYSTEMS  
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 631-269-3820  
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 www.gmsystems.com



"From Old to New"

# Med Class VI Selector Guide

## Series MCT M6

Page 01



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*Unparalleled in Polymer Coatings and Adhesives Technology*



RoHS/WEEE, REACH, and Halogen Free

MCT Product Number	Applications	Viscosity cP	Shore Durometer	24 Hour Water Absorption	Bond To;	Comments
<b>M634-9014</b>	bonding plastics with multiple dissimilar materials	1000-2500	D25-35; A75-85	< 1.0%	plastics, ceramic, glass, stainless steel	UV/Visible cure, flexible, high elongation, tack-free surface
<b>M634-6214</b>	bonding plastics with multiple dissimilar materials	900-1500	D35-50; A85-100	< 1.0%	most plastics, ceramic, glass, stainless steel	UV/Visible cure, clear, tack-free surface, suitable for medical device assembly
<b>M634-6214A</b>	bonding/laminating flexible materials and those with differing CTE values	250-500	A45-65	< 1.0%	wide range of plastics, ceramic, glass, stainless steel	UV/Visible cure, extremely soft, highly flexible, tack-free surface, clear, suitable for medical device assembly
<b>M634-1014</b>	bonding or sealing acrylic displays	50-90	D70-90	3.00%	PMMA, PC, styrene, stainless steel	UV/Visible light curable, hard, tack-free surface, wicking viscosity, moisture resistant
<b>M634-1014 01-18</b>	bonding or sealing acrylic displays	8,000-16,000	D70-90	3.00%	PMMA, PC, styrene, stainless steel	UV/Visible light curable, hard, tack-free surface, high viscosity for gap-filling, moisture resistant
<b>M634-2214</b>	bonding or forming a seal between surfaces	500-900	D25-35; A75-85	< 1.0%	Polyurethane, PVC, other plastics, stainless steel, ceramic	UV/Visible cure, soft, flexible, high elongation, soft, waxy surface
<b>M634-1014-2, 3</b>	needle/syringe assembly	50-150	D70-80	< 3.0%	stainless steel, polycarbonate, PVC, treated polypropylene/HDPE	UV/Visible cure, low intensity curable, clear, moisture resistant, generates highest tensile strength with LED curing equipment, tack-free
<b>M634-0114</b>	bonding/potting rigid plastics	10-150	D80-90	< 1.0%	PC, PVC, polyester, other rigid plastics	UV/Visible cure, secondary thermal cure, low intensity curable, wicking grade viscosity, withstands autoclaving, very hard, clear, suitable for medical device assembly
<b>M634-3014-0-6</b>	bonding/laminating materials with differing CTE values	1K - 6K	D 65-80	< 1.0%	wide range of plastics, ceramic, glass, stainless steel	UV tack-free surface, clear, suitable for epoxy and phenolic bonding as well
<b>M634-5004, 1014, 2014, 0114</b>	bonding PVC and polyethylene components	200-300	D70-79	< 4.0%	PVC, PC, other plastics	UV/Visible cure, best for highly plasticized PVC, tack-free surface, suitable for medical device assembly
<b>M634-752H-1</b>	Polycarbonates, PVC, tinned Cu, SS, Al, epoxy and phenolic	1K	D65	<1%	PVC, metals	Through cure to .125" depth
<b>M634-3014-1-8</b>	Excellent adhesion to substrates such as PVC, steel, brass, aluminum, glass, tinned copper wire, epoxy and phenolic.	1K - 8K	D65	<1%	Needles, assemblies	Thorough cure to 1/8" can be accomplished in less than 30 seconds with a 15 mW/cm <sup>2</sup> UV lamp
<b>M634-4214-1-8</b>	adheres to a variety of substrates including metal, ceramic, glass and many plastics	6K - 10K	A 60-70	<0.5%	Suitable for many sealing applications associated with medical product packaging.	UV/Visible light curable material cures to a tack free surface. The extreme softness and high elongation properties make it suitable for many sealing applications associated with medical product packaging.
<b>M634-423-06</b>	a two component low viscosity epoxy resin system for high performance bonding, sealing, coating, as well as small encapsulations, potting and castings	8K MIXED	D75	<1%	All plastics and metals	It has a wide service temperature range of -60°F to +250°F. It bonds well to a wide variety of substrates including metals, glass, ceramics, wood and many plastics.

The information contained herein, is, to the best of our knowledge accurate. However, MicroCoat Technology does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. The information contained herein is considered typical properties and is not intended to be used as specifications for our products. This information is offered solely to assist purchasers in selecting the appropriate products for purchaser's own testing. All products may present unknown hazards and should be used with the proper precautions. Although certain hazards are described herein and in the Material Safety Data Sheets, we cannot guarantee that these are the only hazards that exist. Repeated and prolonged exposure to epoxy resins can cause sensitization or other allergic responses.