

Revised
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TECHNICAL DATA SHEETS

MP54421

Description:

MP54421 is a multipurpose epoxy system offering improved flexibility over traditional rapid set epoxy products

Physical Properties:

Color:	Black	
Shore "D" Hardness ASTM D2240:	70	
Viscosity Resin:	116,000 cps	Mixed: N/A
Viscosity Hardener:	240,000 cps	
Density Resin:	9.36 wpg	Mixed: 8.98 wpg
Density Hardener:	8.60 wpg	
Specific Gravity, Resin:	1.12	Mixed: 1.08
Specific Gravity, Hardener:	1.03	
Tensile Strength:	1500 psi	
Maximum Use Temperature:	200°F	
Shelf Life:	1 Year	

Electrical Properties

Volume Resistivity , Applied voltage: 500 VDC @ 1 min. Ele. per ASTM D257	1.5 x 10 ¹⁴
Dielectric Constant , Test frequency: 1 MHz per ASTM D150	4.15
Dielectric Strength , Oil rate of rise(short time): 500 V/S per ASTM D149	400
Dissipation Factor , Test frequency: 1 MHz per ASTM D150	.026
Thermal Conductivity , BTU-in./hr.-ft ² -°F per ASTM C177	1.65

Mixing & Cure Instructions

Ratio Parts by Weight:	Parts Resin	100
	Parts Hardener	100
Ratio Parts By Volume	Parts Resin	1
	Parts Hardener	1

*Pot Life 100 gram Mass, Room Temp.(72°F) 18 minutes

*These times will change depending on volume and temperature.

Engineering Excellence

For technical information
and support call **1-800-552-0299** or visit our website at

www.instantca.com