



Liquid Diamonds Epoxy Resin

Typical Properties

Appearance	Liquid
Color	Clear
Specific Gravity	.99
Flash Point (Closed cup), C.	100

Typical Handling Properties

Mixed Viscosity @ 25C.	250cps.
Gel Time (min.), 100g, @ 20C.	45
Thin Film Set, @ 25C., hrs.	7
Thin Film Set, @ 10C., hrs.	19.5
Hardness Shore D @ 25C. (24hrs.),	78
Hardness shore D @ 10C. (24hrs.),	47
Peak Exotherm, 100g, @25C.	90

Typical Cure Schedule

1-7 days @ 25C.

Typical Cured Performance

Flexural Strength, PSI	15,000
Flexural Modulus, Gpa	2.8
Tensile Strength, PSI	5100
Tensile Modulus, Mpa	2.4
Compressive Strength, Mpa	8,500
Compressive Modulus, GPa,	1.4
Glass Transition Temp, C.	130
Dielectric Strength, Volt/mil	350
Dielectric Constant,	3.0×1.0^{10}
Dissipation factor,	Nil
Shrinkage, in./in.	0.0009