

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. (24 hrs.),	78
Hardness Shore D @ 10C. (24 hrs.),	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	51
Tensile Modulus, Mpa	2.4
Compressive Strength, Mpa	8500
Compressive Modulus, Gpa	1.4
Glass Transition Temp, C.	130
Dielectric Constant,	3.0×1.0^{10}
Dissipation factor,	Nil
Shrinkage, in./in.	0.0009