



PT2125 White, Medium Viscosity Room Temperature Laminating System

DESCRIPTION

PT2125 is a white room temperature service laminating system for use in producing durable and stable industrial tools. The medium viscosity of PT2125 is designed to provide very good penetration of tooling fabrics, and at the same time, exhibit minimum drain on vertical or contoured surfaces. PT2125 is a high quality, non-toxic material which has excellent moisture, chemical and impact resistance for a great many applications.

TYPICAL APPLICATIONS

Hammer Forms	Assembly Fixtures	Duplicating Masters
Sandwich Panels	Hi-Strength Laminated Tools	Router Templates
Master Gages	Checking Fixtures/Gages	Drill Fixtures

PRODUCT SPECIFICATIONS

	PT2125 Part A	PT2125 Part B	ASTM Method
Color	White	Amber	Visual
Viscosity, @77°F, centipoise	5,000-6,000 cps	800 cps	D2392
Specific Gravity, gms./cc	1.45	1.02	D1475
Mix Ratio		100 : 15 By Weight	PTM&W
Pot Life, 4 fl.oz. Mass @ 77°F		30 - 35 minutes	D2471

HANDLING and CURING

The PT2125 system will provide good cures at ambient temperatures. In normal conditions, a room temperature cure of 18 to 24 hours, depending upon shop temperatures, is sufficient to allow handling of the laminate. In colder temperatures, at least 24 hours cure will be required to develop good properties. Full cure can be accelerated by 1 to 2 hours at 150°F after an overnight cure at ambient temperature. Heat curing will usually increase shrinkage somewhat, so care should be taken to control the heat cure to minimize stress buildup in the tool.

PACKAGING WEIGHTS

	Gallon Kit	Pail Kit	Drum Kit
PT2125 Part A	9 lb.	45 lb.	500 lb.
PT2125 Part B	1.35 lb.	6.75 lb.	2 @ 40 lb. ea.
Kit	10.35 lb.	51.75 lb.	580 lb.

TYPICAL MECHANICAL PROPERTIES

	PT2125 A/B	ASTM Method
Mix Ratio, By Weight	100 : 15	PTM&W
Color	White	Visual
Mixed Viscosity, @77°F, centipoise	4,000 - 4,500 cps	D2393
Pot Life, 4 fl. Oz. Mass, @77°F	30 - 35 minutes	D2471
Cured Hardness, Shore D	88 Shore D	D2240
Specific Gravity, grams, cc	1.45	D1475
Density, lb./cu. Inch lb. / gallon	.0523	D792
	12.1	
Specific Volume, cu. in./lb.	19.1	
Tensile Strength, psi	29,000 psi	D638
Flexural Strength, Cast Sample	31,400 psi	D790
Flexural Strength, 8-ply Laminate - Style 7500 Cloth	41,400 psi	
Compressive Strength, psi	15,100 psi	D695
Heat Deflection Temperature, 264 psi	189°F	D648

SAFETY and HANDLING

PTM&W epoxy products are made from raw materials carefully chosen to minimize or even eliminate toxic chemicals, and therefore offer the user high performance products with minimum hazard potential when properly used. Generally, the PTM&W epoxy resins and hardeners will present no handling problems if users exercise care to protect the skin and eyes, and if good ventilation is provided in the work areas. However, breathing of mist or vapors may cause allergenic respiratory reaction, especially in highly sensitive individuals. As such, avoid contact with eyes and skin, and avoid breathing vapors. Wear protective rubber apron, clothing, nitrile rubber gloves, face shield or other items as required to prevent contact with the skin. In case of skin contact, immediately wash with soap and water, followed by a rinse of the area with vinegar, and then a further wash with soap and water. The vinegar will neutralize the hardener and lessen the chances of long term effects. Use goggles, a face shield, safety glasses or other items as required to prevent contact with the eyes. If material gets into the eyes, immediately flush with water for at least 15 minutes and call a physician. Generally, keep the work area as uncluttered and clean as possible, and clean up any minor spills immediately to prevent accidental skin contact at a later time. Keep tools clean and properly stored. Dispose of trash and empty containers properly. Do not use any of these types of products until Material Safety Data Sheets have been read and understood.

PT2125 Bulletin / InDesign / 081210-C1



PTM&W Industries, Inc.

10640 S. Painter Avenue Santa Fe Springs, CA 90670-4092

562-946-4511 800-421-1518 FAX: 562-941-4773

Visit Us At: www.ptm-w.com

Send Questions To: info@ptm-w.com