



PTM&W Industries, Inc.

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PT5315 Machinable Epoxy Styling Compound

DESCRIPTION

PT5315 is a two component clay-like paste viscosity system designed for application to an undersized model surface for subsequent machining to final contour. PT5315 can be applied 4" or more in thickness without sagging or flowing off of contoured surfaces. The resin and hardener components of PT5315 combine very readily, mixing to a smooth consistency, putty-like viscosity that can be rolled to approximate thickness and applied to the model surface for curing. The cured material machines easily with standard tools, and yields a smooth surface that is easily carved and finished by hand. The specific gravity of this compound is low, so finished items will be lighter than other construction methods.

PRODUCT SPECIFICATIONS

	PT5315 Part A	PT5315 Part B	ASTM Method
Color	Off-White	Dark Gray	Visual
Viscosity, @77°F, centipoise	Smooth Putty	Smooth Putty	D2392
Specific Gravity, gms./cc	0.57	0.57	D1475
Mix Ratio	100 A to 100 B By Weight or Volume		PTM&W
Pot Life, 1/2 lb. Mass @ 77°F	2 hours		D2471
Demold Time @ 77°F	18 to 24 hours		PTM&W

TYPICAL MECHANICAL PROPERTIES

	PT5315 A / B	ASTM Method
Mix Ratio, By Weight or Volume	100 A : 100 B	PTM&W
Color	Gray	Visual
Mixed Viscosity, @77°F, centipoise	Smooth Putty	D2393
Pot Life, 4 fl. Oz. Mass, @77°F	2 hours	D2471
Cured Hardness, Shore D	48 Shore D	D2240
Shrinkage, inch/inch	Nil	D2566
Specific Gravity, grams, cc	0.57	D1475
Tensile Strength, psi	725 psi	D638
Elongation at Break, %	2 %	
Tensile modulus, psi	111,614 psi	D790
Flexural Strength, psi	1,423 psi	
Flexural Modulus, psi	110,944 psi	D695
Compressive Strength, psi	4,356 psi	
Glass Transition Temperature, Tg, TMA	125°F	D3386
Coefficient of Thermal Expansion, Range 50°F to 100°F	1.58 x 10 ⁻⁵ in./in./ °F	D696

PACKAGING WEIGHTS

	Gallon Kit	Pail Kit
PT5315 Part A and Part B	4 lb. each	20 lb. each
Kit	8 lb.	40 lb.

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