



## HI IMPACT FR 85D

### Product Description:

PT8952 is a two-component urethane casting system developed to provide a tough, impact-resistant material for the production of durable short run and prototype parts. A performance companion to the recently-developed PT8902 high impact casting system, PT8952 produces parts with very high Izod impact strength with the added benefit of excellent fire retardant characteristics.

PT8952 is UL listed for UL 94V-0 at 0.1 inch (2.6 mm) thickness (UL File No. E238713), and meets the requirements of FAR 28.853 for flammability. This has been accomplished without the use of toxic Polybrominated Diphenyl Ethers (PBDEs)

PT8952 is an unfilled liquid system that has a very low mixed viscosity. This allows it to fill thin, complicated mold sections quite readily, producing void-free parts routinely. It's 7 to 8 minute working time combined with this low viscosity provides ample time for complete mold filling on even the most complicated parts. PT8952 has a 2 to 1 mix ratio by weight or volume, for easy measuring, whether hand mixing or cartridge dispensing. PT8952 will solve the problem of brittle fire retardant parts!! It has very high Izod Impact strength, tensile strength and flexural strength, so it has outstanding toughness built-in.

### Product Specifications

	PT8952-A	PT8952-B	ASTM Method
Color	Light Amber	Clear	Visual
Viscosity, centipoise	60 cps	650 cps	D2392
Specific Gravity, gms./cc	1.20	1.11	D1475
Mix Ratio	100 : 50 By Weight or Volume		PTM&W
Pot Life, 4 fl. Oz. Mass @ 77°F	7 - 8 minutes*		D2471

\* Two additional hardeners are available for use with PT8952 Part A to provide a longer pot life ( 11 minute - Part B1 ), and a shorter pot life ( 4 minutes - Part B2 ) for applications where these different working times are needed. There are only minute differences in the chemical makeup of these three hardeners, so the cured properties are the same, regardless of the hardener selected.

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