



Product Data

TWT 91117

FLAME RETARDANT EPOXY RESIN

DESCRIPTION: TWT 91117 is a filled epoxy resin for thin section casting. This material is a flame retardant formulation which passes the requirements of the Underwriters Laboratories UL 94VE-O. The resin is designed for use with TDT 177-3 hardener.

MIX RATIO: By weight: 100 to 11 Resin to Hardener

TYPICAL HANDLING PROPERTIES: Tested @ 77°F (25°C) unless otherwise noted.

Property	Criteria	ASTM Test Method	Test Value
Viscosity, cP	Resin	D-2393	3,000
	Mixed		1,100
Pot life, minutes	100g	D-2471	22
Flammability	UL 94V-O		Pass

NOTE: Typical Properties – These physical properties are reported as typical test values obtained by our test laboratory. If assistance is needed in establishing product specifications, please consult with our Quality Control Department.

PRECAUTIONARY NOTE: Thermosetting systems generate heat when curing. The amount of heat and the period of time in which heat is released vary significantly between systems. Additionally, ambient or compound temperature, amount of material mixed, and construction and shape of the mold or container can also be factors in the temperature profile of a mixed system. In some cases, the thermosetting reaction can be vigorous, generating heat sufficient to cause decomposition of the system with subsequent liberation of large volumes of acrid smoke.

A good rule of thumb is never mix more material than can be applied during the stated pot life or gel time. Also take care when using materials in applications other than stated on the Product Data Sheet, i.e., a laminating resin for casting.

Please feel welcome to call our Product Information Department or your local Ren representative for instructions before you start your job.

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