



COMPOSITE TECHNOLOGY DEVELOPMENT, INC.

ENGINEERED MATERIAL SOLUTIONS

## CTD-7.1

### Developmental Material/Do Not Analyze Toughened Epoxy Resin

<u>MATERIALS</u>	<u>DESIGNATION</u>	<u>COLOR</u>	<u>PARTS BY WEIGHT</u>
RESIN:	CTD-7.1, Part A	Off-white, opaque	101.0
HARDENER:	CTD-7.1, Part B	Clear, colorless	29.6

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**MIXING TEMPERATURE:** 20-25°C (ambient)

**VISCOSITY PROFILE:** See Figure 1.

#### **MIXING PROCEDURE:**

- Add 100 parts by weight of Part A (off-white, opaque) to 29.6 parts by weight of Part B (clear, colorless). Mechanically mix thoroughly until material appears homogeneous.

**CURE:** 2 Hrs. @ 80 °C (1 Hr. ramp to 80 °C; 2 Hr. soak at 80 °C; 1 Hr. cool to RT)  
Or 8 Hrs. @ 50°C  
Or 7 Days @ 25°C (>90% of properties will be obtained in 72 hours)

#### **HANDLING AND SAFETY:**

The handling of this product should present no problems if ordinary care is exercised. Please consult the MSDS for further information and recommended personnel protection equipment.

#### **STORAGE CONTROL:**

Keep containers tightly closed until used, to avoid absorption of moisture. Store at or below room temperature.



### Viscosity Profile for CTD-7.1

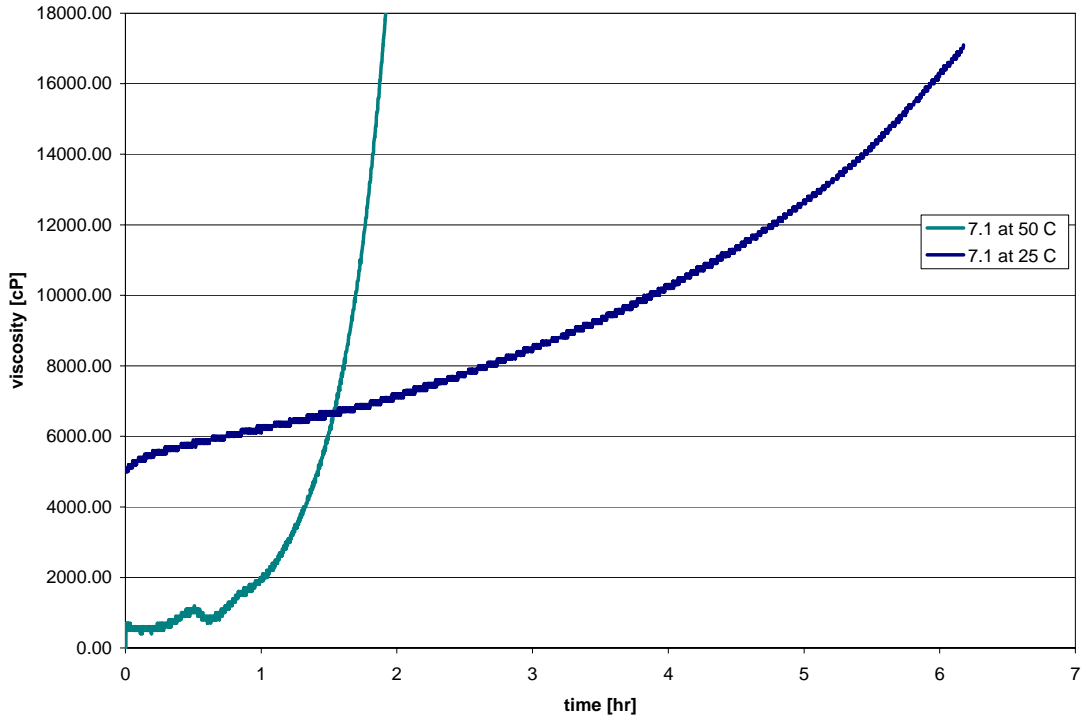


Figure 1

This information, while believed to be completely reliable, is not to be taken as warranty for which we assume legal responsibility. It is offered for consideration, investigation, and verification. 11/2006