



CTD-522

Very Low Viscosity, Super Tuff Epoxy For Resin Transfer Molding

- A special "super tuff" formulation for high performance composite products
• Ideally suited for applications where very low viscosity and long pot life are needed.
• Very low viscosity and short cure at low temperature yields quick component processing
• Non-carcinogenic resin system with very low toxicity. It is a non-solvent based system, no volatiles.
• Tailorable Properties and Processing to Meet Wide Ranging Applications
- Adjust mechanical, physical, electrical, and thermal properties
- customize processing parameters and cure schedule to maximize production rates

Cure: Complete Cure - 3 Hours at 80°C or 7 days at 25°C
Partial Cure, sufficient for component handling, 2 Hours at 65°C
Gel Time: 6 to 8 Hours at 25°C
Mixing Temperature: 20 - 30 °C (Room Temperature)

CTD-522 Processing Characteristics: Brookfield Viscosity Over Time

Table with 6 columns: Temperature [°C], Time [minutes], Viscosity [cps], Temperature [°C], Time [minutes], Viscosity [cps]. Data points include (25, 0, 400), (25, 60, 622), (25, 90, 800), (65, 0, 80), (65, 25, 700), (65, 35, 4,500).

Process Compatibility's:

- \* Resin Transfer Molding (RTM)
\* Resin Injection Molding (RIM)
\* Vacuum Pressure Impregnation (VPI)
\* Filament Winding
\* Casting with or without filler

Advantages:

- \* Non-Carcinogenic
\* Low Toxicity
\* Long Pot-Life
\* Very Low Viscosity
\* Excellent adhesion to fibers and fillers

Contact CTD to have a Resin Customized for your Application

Disclaimer: The information and recommendations contained herein are based upon data believed to be accurate. No guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.