

Product Description

Techneglas UHTR 63-S is a liquid resin system for high temperature FRP panel fabrication, designed to handle service temperatures ranging from 500°F to up to 1832°F (260°C – 1000°C) with little to no weight loss.

Techneglas UHTR 63-S resin may be used with common fiber reinforcements, including:

- Carbon fiber
- Glass fiber
- Silica
- Basalt

Techneglas UHTR 63-S resin is used to prepare FRP composite panels that will be used in applications where operation temperatures range from 500°F to 1832°F and does not require a post-cure cycle at, or above the anticipated service temperature of the fabricated parts.

Cure Guidelines

Techneglas UHTR can be thermally cured or catalyzed with the following:

- Titanium (IV) Butoxide at 2-3 wt%
- N-(2-Aminoethyl)-3-aminopropyltrimethoxysilane at 1-2 wt%
- Catalyzed : Sets up at room temp ~24 hrs
- Thermally: Cure at 225°C for 2-3 hrs

Product Data

Uncured Techneglas UHTR 63-S

Appearance	Colorless Liquid
Viscosity	3200 cPs (25°C) 140 cps (60°C)
Resin Content	>99%
Odor	Slight
V.O.C.	TBD
Density	1.2 g/mL (10.0 lb/gal)
Pot Life at 25°C when catalyzed	1-3 hours
Liquid Ignition Temperature	>300°C

Storage

Techneglas UHTR should be refrigerated and has a shelf-life of 6 months from the date of manufacturing.

Safety Notes

Comprehensive instructions are given in the corresponding Safety Data Sheets which are available upon request or at www.techneglas.com.