

# JEC Trade Show News Booth R46

## TenCate Releases New Selector Guide for Radomes; Selected Prepreg Resin Info for Satellite Applications - RS-36 and TC410 prepreg resins systems highlighted.

April 13-15th, 2010, JEC Trade Show, Paris France - TenCate Advanced Composites highlights new literature and product updates at JEC 2010.

### New Literature

**TenCate Radome Selector Guide** – TenCate has developed a new Radome Selector Guide which provides information for material and design engineers on TenCate’s line of



cyanate ester and low dielectric epoxy prepreg resins and adhesives. The four-page guide provides a comparison of TenCate materials for high energy radomes used on commercial aircraft, shipboard radar, unmanned vehicles, satcom antennas and military aircraft radomes. The guide provides dielectric constant and loss tangent information on both neat resins and quartz laminates. TenCate maintains separate carbon-free areas for the production of glass and quartz radome materials which is a critical factor in developing high purity non-conductive radomes.

[www.tencate.com/smartsite.dws?id=8806](http://www.tencate.com/smartsite.dws?id=8806)

### Current Product Updates

**RS-36** – TenCate is providing extended data on RS-36 which is currently in several structural satellite qualification programs. The new data provides both high modulus unidirectional and fabric data. RS-36 is a high performance epoxy resin system with tailored properties for spacecraft and satellite usage including excellent thermal stability, low outgassing, enhanced chemical resistance and an excellent balance of properties under both autoclave and vacuum processing. RS-36 is a cost effective alternative to cyanate ester resin systems usage on satellite structures.

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**TC410** – TenCate’s newest 250°F/121°C cure ultra-low moisture cyanate ester prepreg resin will be the subject of a SAMPE paper in Seattle by ITT Geospatial Systems.

TC410 was developed for and qualified by ITT for use in satellite stable structures such as optical benches, reflectors and solar arrays. The paper that will be presented is titled “**A Novel Cyanate Ester for Space Based Applications**” by M. Rommel, C. Larsen, M. Drey, ITT Geospatial Systems - Rochester NY and F. Lee, K. Cao, Tencate Advanced Composites - Morgan Hill CA. A data sheet with high modulus fiber data can be found at: [www.tencate.com/smartsite.dws?id=8805](http://www.tencate.com/smartsite.dws?id=8805)

**Contact Info**

**Joe Morris**  
**Vice President & COO**  
[j.morris@tencate.com](mailto:j.morris@tencate.com)  
**+1.408.776.0700**

**Michael Cichon**  
**Director of Product Marketing**  
[m.cichon@tencate.com](mailto:m.cichon@tencate.com)  
**+1.925.348.3538**

**TenCate Advanced Composites**

*TenCate Advanced Composites is a leading aerospace thermoset and thermoplastic prepreg supplier. TenCate’s prepregs are used in commercial aircraft, satellites, helicopters, general aviation, aircraft interiors, radomes and unmanned vehicles. TenCate prepregs are found on almost all satellite programs in the Western world.*

**Royal TenCate**

*TenCate [www.tencate.com](http://www.tencate.com) is a multinational company which combines textile technology and chemical processes in developing and manufacturing special materials. Its materials can be divided into four areas of application: safety & protection, space & aerospace, sport & leisure, and environment & infrastructure. The company has world leading positions in protective fabrics, space and aerospace composites, armor composites, geosynthetics and synthetic turf. TenCate is listed on NYSE Euronext.*

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