

# SpeedCure VLT

Sep-2020 v.8

## Technical Data Sheet

### General Information

SpeedCure VLT is a highly reactive photoinitiator based on fluorinated diaryl-bis-cyclopentadienyl titanium complex for radical polymerization of unsaturated resins upon exposure to visible light (daylight) or UV light. It is especially suited for the curing of photopolymers for imaging, specialty adhesive and information storage applications.

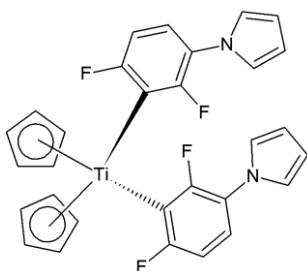
SpeedCure VLT also acts as an effective sensitizer for diaryliodonium type cationic photoinitiators and can therefore be used to promote cure of cationic formulations with visible light. SpeedCure VLT can be described as photobleaching and can be used to produce very thick coatings. Best results are obtained when oxygen is excluded from the resin system during curing.

### Chemical Name

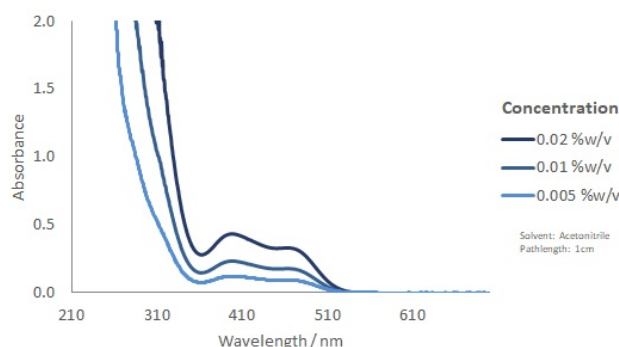
Bis( $\eta^5$ -cyclopentadienyl)-bis(2,6-difluoro-3-[pyrrol-1-yl]-phenyl)titanium

CAS Number	EC Number	Mol. Wt.
125051-32-3	412-000-1	534.4

### Structure



### UV Spectrum



### Specification (LAM 391)

Appearance :	Yellow to orange solid
Purity (HPLC) :	≥ 98.0 %area
Melting Range (Temp ramp 1°C min) :	165.0 - 170.0 °C
Loss on Drying (60°C, 3 hours, 50-100mbar) :	≤ 1.0 %w/w
Clarity of Solution :	Clear

### Applications

Pigmented systems, Black pigmented systems, LED curing, Electronics, 3D printing, Adhesives, Composites

### Storage and Handling

Stable for at least 2 year(s) at 20°C in a sealed container in the dark. A Safety Data Sheet is available on request.

### Transport Classification

(EUROPE AND USA) HAZARDOUS  
Class 4.1 Packing Group II UN 1325

### Global Inventories

ELINCS, TSCA, NDSL, NZIoC, IECSC, CSCL, ECL, TSCI

Disclaimer: Please consult Arkema's disclaimer regarding the use of our products on <https://www.arkema.com/en/products/product-safety/disclaimer/>