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## *Evaluating VCI2000 film*

**Background:** Samples of VCI2000 film were submitted to Cortec for corrosion testing.

**Purpose:** Evaluate the corrosion inhibition performance of submitted film

**Method:** Razor Blade Test  
VIA Test  
FT-IR analysis

**Materials:** Razor Blade Test Kit  
VIA Test Kit  
VCI2000 film, 4 mil, ziplock bag  
VCI2000 film, 4 mil, sheeting  
Paragon 1000 FT-IR Spectrometer

**Procedure:** The above tests were performed according to standard procedures for each.

**Results:**

Razor Blade Test

Material	Panel #1	Panel #2	Panel #3
VCI2000 film, 4 mil, ziplock bag	Fail	Fail	Fail
VCI2000 film, 4 mil, sheeting	Fail	Fail	Fail
Control	Fail	Fail	Fail

VIA Test

Material	Plug #1	Plug #2	Plug #3
VCI2000 film, 4 mil, ziplock bag	Grade 0	Grade 0	Grade 0
VCI2000 film, 4 mil, sheeting	Grade 0	Grade 0	Grade 0
Control	Fail	Fail	Fail

Photos attached

FT-IR Spectrum attached

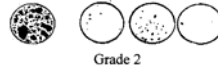
**Conclusion:** Submitted VCI2000 film in the form of sheeting and ziplock bags provides no corrosion inhibition according to performed tests. From FT-IR analysis, film looks to contain only a desiccant in addition to LDPE and a colorant.

**Project #:** 06-048-1125



### VIA Test Grades (Grade 2 or 3 are passing)

- Grade 0: Blind test  
No corrosion inhibiting effect
- Grade 1: Blind test  
Minute corrosion inhibiting effect
- Grade 2: Blind test  
Medium corrosion inhibiting effect
- Grade 3: Blind test  
Good corrosion inhibiting effect

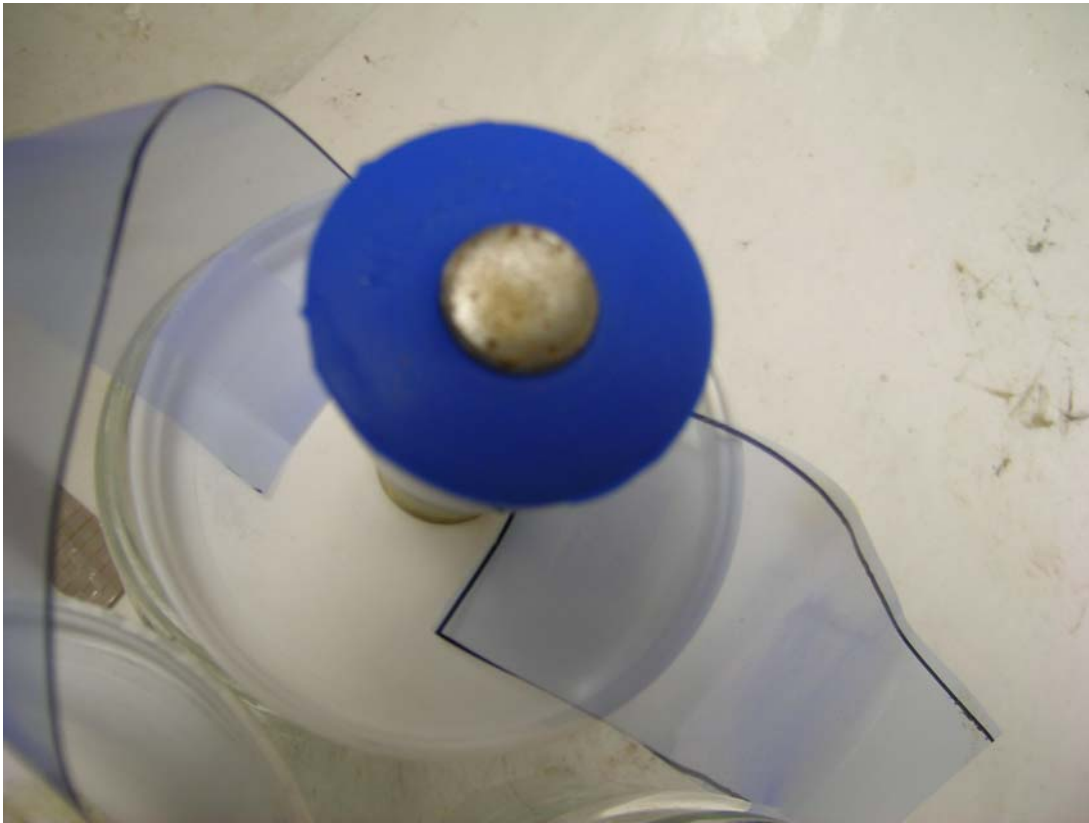




Plug #1



Plug #2



Plug #3



Control

