

## *Evaluating woven plastic film produced by Fabrene*

**Background:** Mario Ramirez/Integrated Packaging Systems submitted a woven plastic film to Cortec Corporation. Film is manufactured by Fabrene. Exact construction of film is not given.

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

**Method:** Razor Blade Test  
 VIA Test  
 SO<sub>2</sub> Test

**Materials:** Razor Blade Test Kit  
 VIA Test Kit  
 SO<sub>2</sub> Test Kit  
 Submitted woven plastic film manufactured by Fabrene  
 Nitrite test strips (EM Quant, Lot #OC332590, Exp July 06)

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

**Results:**

Razor Blade Test

Material	Panel #1	Panel #2	Panel #3
Submitted woven plastic film manufactured by Fabrene	Pass	Pass	Pass
"EcoWeave"	Pass	Pass	Pass
Control	Fail	Fail	Fail

VIA Test

Material	Panel #1	Panel #2	Panel #3
Submitted woven plastic film manufactured by Fabrene	Grade 1	Grade 1	Grade 2
"EcoWeave"	Grade 3	Grade 3	Grade 3
Control	Fail	Fail	Fail

SO<sub>2</sub> Test

Material	Panel #1	Panel #2	Panel #3
Submitted woven plastic film manufactured by Fabrene	Grade 4	Grade 4	Grade 4
"EcoWeave"	Grade 4	Grade 4	Grade 4
Control	Fail	Fail	Fail

Nitrite Test: Submitted woven plastic film, manufactured by Fabrene is heavily nitrite based.

**Conclusion:** Submitted woven plastic film manufactured by Fabrene does not provide sufficient vapor phase corrosion inhibition. Submitted woven plastic film manufactured by Fabrene is heavily nitrite based.



**Project #:** 05-054-1125

**Estimated Cost of Project:** 3 hours


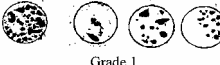
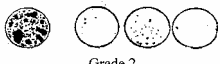
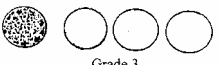
**To:** Mario Ramirez/Integrated Packaging Systems

**From:** Bob Berg

**Date:** 4/6/05

**cc:** Boris Miksic  
Anna Vignetti  
Art Ahlbrecht  
Cliff Cracauer

**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	

*SO<sub>2</sub> Grades (Grade 3 and 4 are passing):*

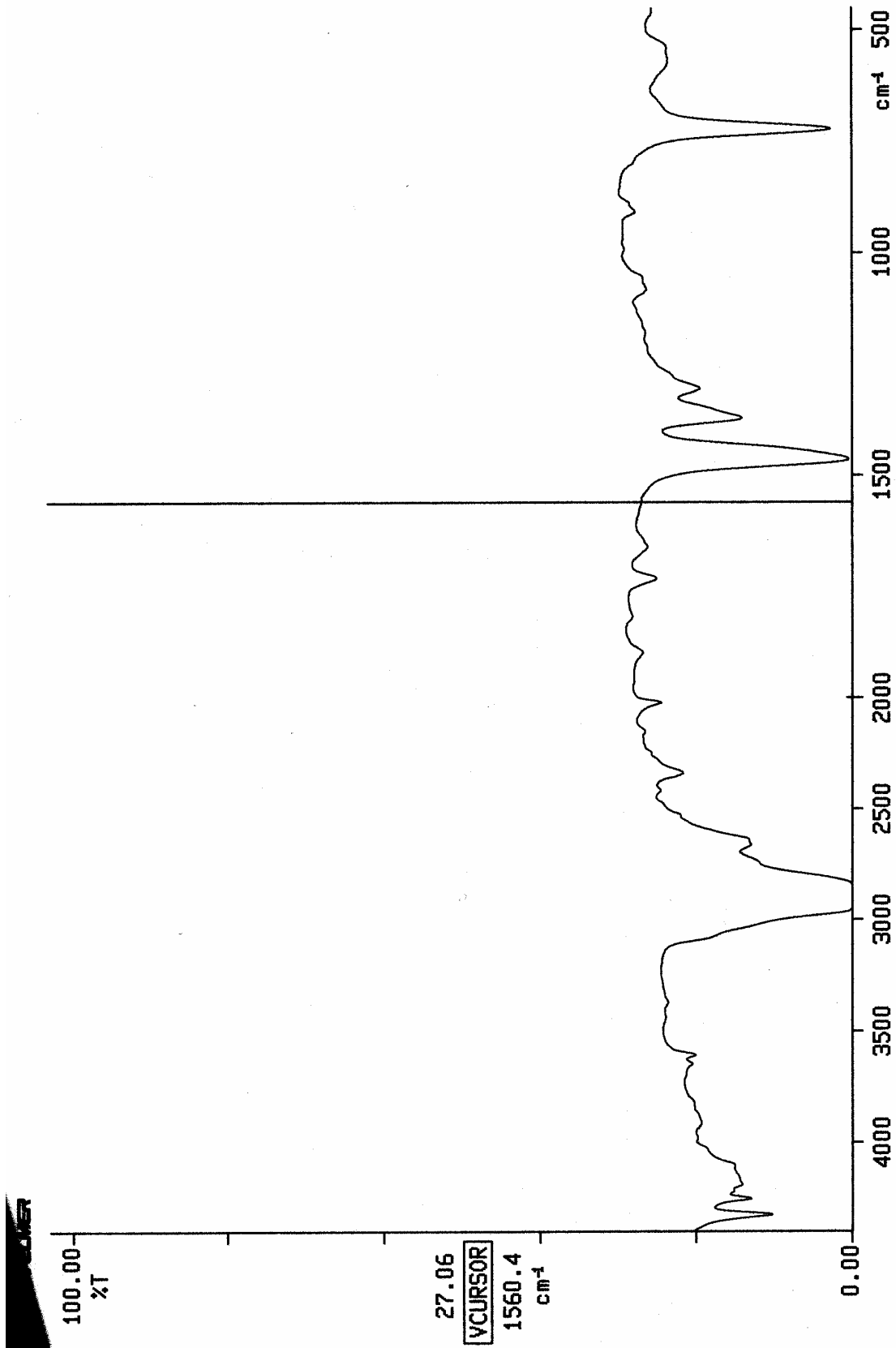
Grade 0- Extensive corrosion covering 25% or more of panel surface

Grade 1- Moderate corrosion covering 10-25% of panel surface

Grade 2- Slight corrosion covering 5-10% of panel surface

Grade 3- Very slight corrosion covering 0-5% of panel surface

Grade 4- No visible corrosion on panel surface



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X: 8 scans, 16.0cm-1  
05-054-1125