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Evaluating film distributed by Atlantic Corporation

Background: Joe Louisell/Edrich Products Inc, submitted a packaging film to Cortec Corporation. Customer of film is Diversified Machine. Distributor is Atlantic Corporation. Manufacturer is unknown.

Purpose: Evaluate the corrosion inhibition performance of submitted film from customer Diversified Machine

Method: Razor Blade Test
 VIA Test
 FT-IR Analysis

Materials: Razor Blade Test Kit
 VIA Test Kit
 Perkin Elmer Paragon 1000 FT-IR Spectrometer
 Submitted Film from customer Diversified Machine (2 mil)
 Cortec VpCI-126 film (2 mil, Lot# 22589, MB# 22570)

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

Results:

Razor Blade Test

Material	Panel #1	Panel #2	Panel #3
Submitted film from customer Diversified Machine (2 mil)	Fail	Fail	Fail
Cortec VpCI-126 film (2 mil)	Pass	Pass	Pass
Control	Fail	Fail	Fail

VIA Test

Material	Plug #1	Plug #2	Plug #3
Submitted film from customer Diversified Machine (2 mil)	Grade 1	Grade 1	Grade 1
Cortec VpCI-126 film (2 mil)	Grade 3	Grade 3	Grade 3
Control	Fail	Fail	Fail







Conclusion:

- (1) Submitted film manufactured by Edrich Products Inc, fails to provide sufficient contact or vapor phase corrosion inhibition.
- (2) From FT-IR analysis, no corrosion inhibitors were found in film.

Project #: 06-234-1125

VIA Test Grades (Grade 2 or 3 are passing)

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

