

TEST REPORT

**CHOMERICS
Corrosion Testing of CHOFORM® 5541 & CHOFORM® 5550
Against Conversion-Coated* Aluminum Alloy**

Prepared by: CHOMERICS R&D
84 DRAGON COURT
WOBURN, MA 01801

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Chomerics Approved Signatory:

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*MIL-C-5541E, Class 3

Test Method: CHO-TM100

Summary:

- CF5541 was 1.6X more corrosive than CF5550 after 168 hours of salt fog exposure
- CF5550 was 5X more conductive than CF5541 after 168 hours of salt fog exposure
- CF5550 was more dimensionally stable after 168 hours of salt fog exposure

Conclusion:

- CF5550 is preferred FIP material, if corrosion resistance is required

Table 1: Corrosion Test Results

Material	CF5541	CF5550
Conductive filler	NiC	NiC
Notebook # 4455 / 4467	116-1	29
Exposure Time (Hours)	168	168
Coupon Type	6061-T6 Al*	6061-T6 Al*
Average Wt. Loss (mg)	32.8	20.6
Std dev.	6.2	1.6
Maximum wt. loss (mg)	38.0	22.4
Average mOhm cm (Initial)	629.2	88.8
Average mOhm cm (Final)	866.7	164.0
Average Thickness Change (%)	-5.96	-0.55

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