

Client: Tri-Peek International Ltd
Product: PEEK
Dilution: As received

Date: 22-Apr-2008
SMI/REF: 0802-214

BOEING D6-17487 REVISION P (*Exterior & General*) Page 2 of 3

Sandwich Corrosion Test: Specimen preparation, testing, and interpretation shall be in accordance with ASTM F1110 using the following materials and with the following exceptions:

1. Reagents and materials exception:
 - (1). Clad 7075-T6 aluminum alloy in accordance with QQ-A-250/13 (AMS 4049 or AMS-QQ-A-250/13 optional) (2024-T3 Alclad specimens are neither required nor optional.)
 - (2). Bare 7075-T6 aluminum alloy in accordance with QQ-A-250/12 (AMS 4045 or AMS-Q-A-250/12 optional) anodized in accordance with BAC 5019 or MIL-A-8625, Type I. Anodize shall be sealed. (2024-T3 nonclad specimens are neither required nor optional).
 - (3). Distilled or deionized water may be used in place of ASTM F1193, Type IV reagent grade water for control specimens.
 - (4). The filter paper may be Whatman No. 5 or equivalent in place of Whatman GFA glass fiber paper.
2. Procedure exceptions:
 - (1). The filter paper strips shall be 1 by 3 inches and shall be placed in the center of the sandwiched specimens.
 - (2). Each sandwich specimen shall be held together with waterproof tape, with no more than 1 piece of tape (maximum width 0.75 inch) on each of two opposite edges.
3. Interpretation of result exceptions:
 - (1). Leaching or lightening of the chromate sealed anodize coating shall not be cause for rejection.
 - (2). Deposits or residues from the material being tested that are not products of corrosion of the test panel surface shall not be cause for rejection.
 - (3). Special procedure for evaluation of fire extinguishing foams and liquids.
 - (4). Panels shall have a rating of 1 (no more than 5 percent of the surface area shall be corroded) or better in accordance with ASTM F 1110. The preferred method of determining the corroded area is by using image analysis. Other means approved by the purchaser may be substituted.
 - (5). Any corrosion in excess of that shown by the control group shall be cause for rejection.

	Bare 7075-T6 (AMS 4045) Anodized per BAC 5019 (Type 3 chromate seal)	Clad 7075-T6 Aluminum (AMS 4049)
PRODUCT	1	1
Control	1	1

-Result Conforms