

Client: Tri-Peek International Ltd
Product: PEEK
Dilution: As received
AMS 1650C

Date: 22-Apr-2008
SMI/REF: 0802-214
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3.2.4 Effect on Plastic: Polish shall not craze, stain, or discolor stretched Mil-P-25690 plastic, determined in accordance with ASTM F 484.

No crazing, staining or discoloration evident

Result Conforms

3.2.5 Effect on Painted Surfaces: Polish shall neither decrease the hardness of the paint film by more than two pencil hardness levels nor shall it produce any staining or blistering of the paint film, determined in accordance with ASTM F 502.

No decrease in hardness; No staining or blistering of the film

Result Conforms

3.2.6 Effect on Unpainted Surfaces: Polish, tested in accordance with ASTM F 485, shall neither produce streaking nor leave any stains on AMS 4045 and AMS 4049 aluminum alloys which require polishing to remove.

Residue evident after rinse; product did not rinse clean from the substrate; conformance based on absence of streaks and stains.

Result Conforms

3.2.7 Settling Number (Type 1 Only): Shall be not greater than 20, determined as in 3.2.7.1.

Result Not applicable

3.2.8 Low-Temperature Stability: The polish shall be restorable to its original appearance by vigorous shaking or by stirring after being temperature cycled as in 3.2.8.1.

3.2.8.1 Place approximately 100 mL of Type 1 polish or 100 grams of Type 2 polish in each of two 125 mL wide-mouth Pyrex jars and stopper the jars. Set aside one of the jars at 20 to 25 degrees C (68 to 77 degrees F) for the duration of the test period as a control sample. Place the second jar containing the test sample in a cold box maintained at -10 degrees C ± 2 (-14 degrees F ± 4) for 2 hours ± 0.1 . At the end of the two hour period, remove the jar containing the test sample and immerse in a water bath maintained at 47 degrees C ± 1 (117 degrees F ± 2) for 1 hour ± 0.1 . Remove the jar from the water bath, dry, and again place in the cold box at -10 degrees C ± 2 (-14 degrees F ± 4) for 2 hours ± 0.1 .