

Quality Plating and
Anodizing for Industry.
Since 1960.

ANOPLATE

AnoLube III

Achieving synergy with hard anodize and Teflon®

AnoLube III provides manufacturers with the low weight and cost advantages of aluminum, the abrasion resistance of hardcoat anodize, and the lubricity of Teflon®.



Specific processing parameters and controls assure the unique properties of AnoLube III.

Under this special process, Teflon® penetrates the surface of a precision hardcoat-anodized component. The resulting surface is highly corrosion resistant. It exhibits dielectric properties superior to conventional hardcoat anodize, and it retains the non-stick, low coefficient of friction provided by Teflon®.

AnoLube III meets the requirements of MIL-A-8625 for Type III coatings, MIL-A-63576, AMS 2468, and other industrial specifications.

Benefits of the process vary depending on the alloy, the coating thickness, and the original surface finish. Any aluminum alloy can be processed, but those without copper and silicon content typically produce the best results.

Most applications involve a 2-mil (50 micron) coating. Roughly half of that thickness penetrates into the original surface, so actual surface growth on a 2-mil coating is only about 1 mil. Because AnoLube III penetrates the surface, it will never chip, blister, or peel.

Features

- Low coefficient of friction
- Low wettability, non-stick Teflon® surface
- Abrasion-resistant, "file hard" aluminum oxide
- Corrosion-resistant hardcoat with chemically inert Teflon®

Applications

- Coating rollers for plastics industry
- Food container manufacturing equipment
- Textile equipment spools and guides
- Paper guides on copier machines

Teflon is a registered trademark of Dupont