



Product Overview

Focus Tech ILC-V PF

Phosphate Free Acid Copper Cleaner

Product Description

ILC-V PF is a highly concentrated acid cleaner designed to completely remove chromate conversion coatings as well as light oils and fingerprints. ILC-V PF is phosphate free for facilities with reduced or zero phosphate discharge limits. ILC-V PF is formulated specifically to provide improved dry film adhesion to Very Low Profile (VLP) copper foils, especially when used in conjunction with DuPont's YieldMaster® 2000 Wet Lamination System. ILC-V PF's free rinsing formulation leaves the copper surface extremely hydrophilic and ready for subsequent processing. ILC-V PF's antitarnish properties allow for extended hold times prior to dry film lamination.

Physical Properties

Specific gravity: 1.19
pH: < 2
Appearance: clear, water white liquid

Operating Parameters

Concentration: 10 – 20% v/v
Temperature: 120 – 130 °F

Compatible Materials of Construction

Plastics	Polypropylene, polyethylene, PVC, and Teflon
Metals and alloys	316 Stainless steel, Hastelloy-C and Titanium
Elastomers	Viton

Storage

Store in original containers above 40 °F.

Safety

CAUTION! ILC-V PF concentrates and working solutions contain strong acidic ingredients. Avoid contact with eyes, skin and clothing. Wear chemical handler's gloves, goggles and protective clothing when handling. Read and understand Material Safety Data Sheet before using this product.

Notice

The information and recommendations, contained herein, regarding this product are, to the best of our knowledge, true and accurate. We make no guarantee of results because the conditions of actual use are beyond our control. We assume no liability for damages or penalties resulting from the use of this product or following our recommendations. Our recommendations and suggestions for use of this product are not intended to grant license to operate under or infringe any patent.