

# Lock on Corrosion Resistance

## POWER-LOCK® with Ultra-Polymer Coating

U.S. Tsubaki offers POWER-LOCK with an exclusive Ultra-Polymer coating for corrosion resistance. If your operating environment involves exposure to some chemicals or even sea water, Ultra-Polymer-coated POWER-LOCK offers real value over stainless steel.

The Ultra-Polymer Coating is a complex combination of nickel and Teflon®. It will not corrode or peel. That makes it an excellent choice for food applications. In fact, the coating is approved by the U.S. Department of Agriculture.

And, best of all, POWER-LOCK with Ultra-Polymer Coating is readily available, which reduces your lead time.

Protect your equipment with POWER-LOCK and protect your POWER-LOCK with Ultra-Polymer Coating. It's a cost-effective way to extend the life of your equipment.

## Corrosion Resistance of Stainless Steel Versus Ultra-Polymer Coating

Substance	Stainless Steel (304)	Ultra-Polymer Coating
Acetone	●	●
Oil (Plant, Mineral)	●	●
Alcohol	●	●
Ammonia Water	●	●
Sodium Chloride	○	●
Sea Water	○	●
Hydrogen Peroxide (10%)	●	●
Caustic Soda (25%)	●	●
Gasoline	●	●
Formic Acid (10%)	X	●
Formaldehyde	●	●
Milk	●	●
Lactic Acid	●	●
Citric Acid	●	●
Chromic Acid (10%)	●	●
Acetic Acid (5%)	●	○
Carbon Tetrachloride	○	●
Potassium Hydroxide (20%)	●	X
Sodium Hydroxide (20%)	●	○
Nitric Acid (5%)	●	X
Vinegar	○	○
Soft Drinks	●	●
Soap & Water Solution	●	●
Paraffin	●	●
Beer	●	●
Fruit Juice	●	●
Wine	●	●
Whiskey	●	●
Benzene	●	●
Water	●	●
Vegetable Juice	●	●
Sulphuric Acid	X	○
Phosphoric Acid (10%)	○	●

- = Highly corrosion resistant
- = Marginally corrosion resistant (depending on application conditions)
- X = Not corrosion resistant