



## ANODAL® PTFE LIQUID

**Anodal PTFE Liquid** is a highly concentrated polytetrafluoroethylene dispersion that is used as a dip following hard anodizing to produce abrasion resistant oxide coatings that exhibit high lubricity. Such treatments are referred to as Type I within specifications: AMS 2482A, and MIL A 63576A.

### **PROPERTIES:**

Appearance:	Milky white dispersion
PTFE content:	60% by weight
pH:	9+
Specific gravity (68°F):	1.52 (12.6 lbs/gallon)

### **STORAGE, MAKE-UP & APPLICATION:**

Retest date of concentrate:	1 yr (gently roll container periodically)
Concentrate storage temperature:	50 – 90 F (do not freeze)
Bath make-up:	4-6% by volume in water
Bath temperature range:	65 – 85 °F
Bath pH:	9-10 with ammonium hydroxide
Immersion time:	1-5 minutes

### Notes:

1. High speed stirring, pumping, and air agitation can result in particle coagulation
2. Mix gently prior to use to re-disperse settled particles.

### **ANALYSIS:**

Measurement of specific gravity is a convenient method of tank analysis. To perform this test, immerse a hydrometer, which has a range of 1.00 – 1.10, in a sample of the bath maintained at 68-72 °F. Note the specific gravity “A”.

$$\text{Anodal PTFE (\% vol)} = 200 \times (A-1)$$

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