



POLY FILM 2010, SEALER Liquid

DRY FILM CORROSION INHIBITOR

Poly Film 2010 is used to control corrosion, staining and oxidation on ferrous metal surfaces. 2010 is can also be used as a non-chrome final seal for zinc and manganese phosphate coated steel.

Poly Film 2010 can be used on steel and cast iron. Provides excellent inprocess and storage rust protection. Typically provides up to 180 days of storage rust protection. Does Not Contribute to COD or BOD in waste streams.

Poly Film 2010 can be applied in dip tanks or spray systems for dry to touch rust protection.

Features & Benefits

High Solids Liquid. Easily Fed By Automatic Control Systems.

Biodegradable, Non-phosphated. FORD MOTOR TOX # 046537.

MEETS AUTOMOTIVE PRE-PAINT STANDARDS SPECS.

Provides Extended Corrosion Protection In Many Different Applications.

Can Be Used In Recirculation Water Systems, Retort Water, And Rinse Tank.

Does Not Interfere With Paint Bonding Or Adhesives.

Non-oily Film, Dry To The Touch.

Low Use Cost, Extended Tank And Process Solution Life.

Acceptable For Use Prior To Or Post Welding Operations.

Typical Processing

- 1) Pre-process: Example= Wash, Vibratory Clean, Acid Pickle, Etc.
- 2) Rinse, Rinse, Fresh Water. "maintain Fresh Rinsing."
- 3) Poly Film #2010 Dip/spray, 2-10% By Volume, Temp= As Available.
- 4) Dry: Spin, Air Blow-off, Etc.

For Zinc Phosphate Systems: Use As Noted Above.



Product Bulletin

Product Name: POLY FILM 2010
Product Code: 2508906
Revision Date: October 24, 2025

Specifications

pH	11
Prod._Type	Liquid
Spec.Grav	1.112
LBS./GAL	9.27
FOAM 0=low 9=high	0
Shelf life years:	10
Freeze information	Not Damaged by freezing

Packaging

Container Type	POLY Drum
Net Units	510
Tare Wt.	25 LB.
Gross Wt.	535
Dot_Name	Not Regulated by D. O. T.
DOT Hazzard	Not Regulated
Tariff ID	3402.90.10

Use parameters

Concentration Range	3-5% by Volume~
Range	Room temp up to 170 deg. F.
Time Range	dip
Agitation	Prefered

Other information

It is important that the **OSHA DATA, "Material Safety Data Sheet"** be carefully read and reviewed with the users of this product. OSHA data is required to be posted in the work area by law.

Waste Disposal

NEUTRALIZE PH, REMOVE FATS, OILS, GREASE AND HEAVY METALS.



Holding Tank Materials of Construction

STEEL, STAINLESS OR POLY.

Testing, Operating & Trouble Shooting Data

Target Usage: 2-15% By Volume

- Titration:**
- (1) Transfer 10 Mls To A Flask.
 - (2) Add 5-10 Drops Of Total Alkalinity Indicator #2
(optional) Bromocresol Purple (total Alkalinity Indicator)
 - (3) Titrate With 0.1n Acid Until Color Changes From Blue/green To Reddish/pink
 - (4) Multiply Number Of Mls Used By A Factor 2.0 = % By Volume. (7/04)

- Dropper:**
- (1) Transfer 10 Mils To Test Bottle.
 - (2) Add 5-10 Drops Of Total Alkalinity Indicator #2 (taylor R0645)
(optional) Bromocresol Purple (total Alkalinity Indicator)
 - (3) Add Drop By Drop Of 1.0n Acid, Until Color Changes From Blue/green To Reddish(- Pink.)
 - (4) Multiply Number Of Drops Used By A Factor 0.65= % By Volume. 12/10

Bath Control Refractance/contaminants Ratio: (target <2.0)

- 1) Multiply The % Concentration By A Refract Factor Of .16 (% Concentration Determined From Testing Above)
- 2) Record Results As **R1= Target Refractance**
- 3) Take A **Refractance** Reading Of The Bath. Record The Number As **R2** .
A **Refractance R2** Number Over The (r1)**target Refractance** Number = Level Of Contaminants.

- 3) Formula: $\frac{R2}{R1} = \text{Refractance/contaminant Ratio: Target } < 2$

* Adjust The Upper Ratio Limit As Required Per Process, Some Processes May Require A Lower Top End Target



Other Indicators That Can Be Used:

Bromocresol Green: Use
A Factor Of 1.5 = % By
Volume Bromphenol
Blue: Use A Direct
Reading For % By
Volume 5 = % By
Volume.

Refractance Index: 15% = 2.5 10% = 1.7 : 5% = 0.8 2.5% = 0.4 Points.

(meters Can Be Purchased At Mill Supply Houses Such As W.w. Grainger,
Mcmaster Carr, And Lab Supply.)

Nitrogen Test: (3/2019 Rws)

- 1) Take A 1 MI Sample
- 2) Add 3 Drops Of Ferroin Indicator (item #tstfe3144-p)
- 3) Add Drop By Drop Of Titrating Solution (item #tstnd2270-p)
Until The Color Changes From Orange To Blue
- 4) The Number Of Drops Required Multiplied X 0.25 = % By Volume

- Xylenol Ind: (1) Transfer 100 Mils To Test Bottle.
(2) Add 5-10 Drops Of Xylenol Orange Indicator
(3) Add 1.0n Acid, Until Color Changes From Red To Dark Yellow
(4) Multiply Number Of Mls Used By A Factor 2.0 = % By Volume.

Controlling By Ph:

As A Target, A Minimum Of 9.0 Should Be Maintained. To Raise Ph, Add Small
Amounts Of Poly Film 2010.

Note: If A Highly Alkaline Cleaner Is Being Used Prior To The #2010, It May Have An
Affect On The Accuracy Of This Test.

Conductivity Meter Readings: 5% = 11,000s

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Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**¹³⁶.