

PRODUCT DATA

HOUGHTO-DRAW® PF-100

MEDIUM TO HEAVY DUTY, CHLORINATED-EMULSIFIABLE METAL FORMING LUBRICANT

Houghto-Draw PF-100 provides the extreme pressure lubricity requirements for many metal forming operations on carbon and stainless steel. This water soluble product is designed to replace straight oils in many forming operations, plus it can be easily removed in alkaline cleaning systems. **Houghto-Draw PF-100** mixes readily with water to form a stable emulsion up to 2:1. (Dilutions greater than 2:1 should have intermittent agitation.) This product can provide corrosion and rust protection up to 30 days in plant storage.

Houghto-Draw PF-100 provides economy and cleanliness over straight oils when diluted, while still providing excellent lubricity and reduction of lubricant drag out.

Two applications of **Houghto-Draw PF-100** are:

1. Formation of 301 stainless steel automotive wheel covers at 1:1.
2. High speed formation of chain links of various gauges.

HOW TO USE

Product may be diluted with oil or water. To dilute with water, add water to product in small quantities while agitating until a smooth cream is obtained. Water can then be added more rapidly until a final dilution is reached. **Houghto-Draw PF-100** may be applied by roller coat, swab, dilutions by spray, dip or recirculation.



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FEATURES

- * Various metal forming operations on carbon and stainless steel
- * May be used neat or diluted with oil or water
- * Good corrosion protection

BENEFITS

- * Excellent lubricity
- * Easily removed alkaline system
- * Overall cost-effectiveness

TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Viscosity @ 100°F (38°C)	1,100 SUS
Appearance	Dark brown, clear oil
Odor	Bland
Pounds per gallon	9.24
Specific gravity	1.11

SHELF LIFE

One (1) year

SHIPPING INFORMATION

Houghto-Draw PF-100 is available in 55 (U.S.) gallon (208 liter) drums and in bulk.

SHIPPING CLASSIFICATION

Metal Drawing Compound

STORAGE/HANDLING/DISPOSABILITY

No health or safety hazards exist when **Houghto-Draw PF-100** is stored, used and disposed of in accordance with instructions given on the Material Safety Data Sheet for this product.

WARRANTY

The information given here is considered to be correct and is offered for your consideration, investigation and verification. No warranties are expressed or implied since the use of our products is beyond our control. Statements concerning the use of Houghton products are not to be construed as recommending the infringement of any patent.

EXPORT STATEMENT

This commodity and its technology are subject to the export control laws and regulations of the United States Government. Buyer agrees that it shall not make any disposition, by way of export, diversion, transshipment, re-export or otherwise, except as expressly permitted under United States law.