

DuPont™ DryFilm

performance lubricants

A Guide to Coatings and Lubricants for Wire and Cable



Application

Coating and Strippability Lubricant

Because of their unique properties, the DryFilm Series are the ideal coatings for enhancing lubricity and antistick properties on conductor or insulated wire and cable. DryFilm dispersions are used to impart a thin nonstick film on metal wires as well as on insulated wire and cable products and twisted wire in jackets. Applications include: reduce insulation stripping force, provide nonstick (abrasion resistance) to twisted wire, and a lubricant for welding wire, wire forming, and knitting.

Advantages

DuPont™ DryFilm lubricants exhibit outstanding lubricity and extremely low coefficient of friction. The patented polymer is thermally stable and can be used at temperatures up to 300°C (572°F). The polymer is clean, non-migrating, chemically inert, and not gummy or oily.

Wire Drawing Lubricant

DuPont RA dispersions are extremely stable dry lubricants that form a film on the wire surface for drawing. The product can also be used as a pre-coat to enhance the total performance of your drawing lubricant systems. Die wear is minimized, and faster speeds can be obtained.

Processing Details

The application of DryFilm products fits easily into most wire production facilities. The wire can be run through a DryFilm dispersion bath. Alternately, conventional spraying equipment can be used to coat the wire. A heating or drying step is recommended to ensure the carrier has evaporated prior to insulation or spooling. Alternately, quick drying can be achieved by using the solvent-based products that use isopropyl alcohol.

DuPont™ DryFilm

Product	Property	Application
WDL10A	Isopropyl alcohol	Conductor and insulator
WDL5W	Water-based antistick	Conductor and insulator
WDL905	Water/isopropyl alcohol	Conductor
WDL331	Water	Insulator
RA/W	Water	Conductor and insulator
RA/IPA	Isopropyl alcohol	Drawing, conductor and insulator

For more information or technical assistance, call:

(800) 441-9503

or visit us on the Web:

www.dupont.com/releasesystems

Or call the Coating & Release Systems hotline in the **United States** at (800) 441-9503,

E-mail: release.systems@usa.dupont.com

Canada at 800-263-5924, E-mail: products@can.dupont.com

Europe, Mideast, and Africa at +32.3.543.1267, E-mail: lubricants@lux.dupont.com

Asia/Pacific—Including India at 886-2-2514-4434, E-mail: release.systems@usa.dupont.com

Mexico and Central America at +011-52-55-5722-1150, E-mail: ceac@mex.dupont.com

South America—All Countries at 55-11-4166-8601, E-mail: produtos.brasil@bra.dupont.com

The information set forth herein is furnished free of charge and is based on technical data that DuPont believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Because conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

The DuPont oval logo, DuPont™, and The miracles of science™ are trademarks or registered trademarks of DuPont.

Copyright © 2002 E.I. du Pont de Nemours and Company. All rights reserved.

