



▶ At ILC Dover we are always “creating what’s next” by listening carefully to our customers.

In response to customer input and emerging regulations, we’ve developed a robust new film to support our DoverPac® Containment Systems. This revolutionary film, ArmorFlex® 114, delivers permanent static dissipative properties while meeting FDA and 2002/72/EC requirements for food contact and EP 3.1.3 test conditions.



ArmorFlex® Family of Films Meeting Your Current And Future Process Requirements

ArmorFlex® 114 - The latest addition to the ArmorFlex® Family

- ▶ Complies with FDA 21 CFR
- ▶ Fully compliant to 2002/72/EC and amendments
- ▶ Meets test parameters of EP 3.1.3
- ▶ Passes USP <661> Physicochemical Tests for Plastics
- ▶ Passes USP <88> Class VI (7 day implant)
- ▶ Passes <87> biological reactivity, in vitro
- ▶ No animal derived components
- ▶ 5-year shelf life
- ▶ Permanent antistat replaces migrating additives
- ▶ Passes Chilworth incendivity tests
- ▶ Tested for solvent resistance
- ▶ DMF filed with FDA

ArmorFlex® 104 - Continuing to be the most used ArmorFlex® film

This space age film continues to be used for meeting process and regulatory needs throughout the pharmaceutical industry. With over 150,000 containment solutions completed from ArmorFlex® 104, this high tech film is a proven standard. DoverPacs, continuous liners, and other containment solutions will be available using ArmorFlex® 104 for years to come.



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ArmorFlex® Family of Films

ArmorFlex® 114 Solvent Resistance Solvent Contact Recommendations

Chemical	Resistance
Acetone	Excellent
Acetonitrile	Excellent
Anisole	Good
Butyl Acetate	Good
Cyclohexane	Excellent
Cyclohexane – Ethyl Acetate (50/50)	Excellent
Dichloromethane	Excellent
Diethylether	Excellent
Dimethylacetamide	Excellent
Dimethylformamide	Excellent
Ethanol	Excellent
Ethyl Acetate	Excellent
HCL (37.4%)	Very Good
n-Heptane	Very Good
HMDS	Excellent
Isopropanol	Excellent
KOH (50%)	Very Good
Methanol	Excellent
2-Methoxyethanol	Excellent
Methylethyketone	Excellent
n-Methylpiperazine	Excellent
n-Methylpyrrolidone	Excellent
Methyl-tert-butylether	Excellent
Mineral Oil	Excellent
Reagent (3A) Alcohol	Excellent
NaOH (50%)	Excellent
Tetrahydrofuran	Very Good
Toluene	Fair
Water, Distilled	Excellent



Crimp Separation



Continuous Liner System



DoverPac®



ILC Ireland facility

ILC Ireland operating since 2007

ILC Ireland located in County Cork has been providing standard products from this facility for 4 years. Established to support the pharmaceutical industry in Ireland, the facility warehouses all standard products offered by ILC Dover. DoverPac's, continuous liners, crimps, etc. are readily available for immediate delivery with the convenience of all customs clearance completed. ILC Ireland is committed to providing superior service with quick responses for process needs locally in Ireland.



Criteria

% Change in Physical Properties	Resistance
0 - 10	Excellent
10 - 20	Very Good
20 - 30	Good
> 30	Fair



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Providing Flexible Containment Solutions to the
Pharmaceutical Industry since 1997