



ArmorFlex® Family of Films

At ILC Dover we are going “beyond boundaries” 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 Products. This revolutionary film, ArmorFlex® 114, delivers permanent static dissipative properties while meeting FDA and EU Regulation 10/2011 requirements for food contact and EP 3.1.3 test conditions.

Armorflex® 114 Film—The Latest Addition To The Armorflex® Family

- Complies with FDA 21 CFR
- Fully compliant to EU Regulation 10/2011 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
- 5-year shelf life
- Permanent antistat replaces migrating additives
- Passes Chilworth incendivity tests
- Tested for solvent resistance
- DMF filed with FDA

Armorflex® 104 Film —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 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 |

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



Crimp Separation



Continuous Liner System



DoverPac®



ILC Ireland facility

ILC Dover in Ireland operating since 2007

ILC Dover in 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 Dover is committed to providing superior service with quick responses for process needs locally in Ireland.



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