



ArmorFlex® 104 Film

- ▶ Passes incendivity testing
- ▶ Designed and manufactured using only FDA compliant materials
- ▶ Verified quality and reliability
- ▶ Complies with USP Class VI
- ▶ No halogenated compounds and safe for incineration

- ▶ ArmorFlex® 104 was developed in 1997 and has been in use by pharmaceutical manufacturers globally ever since. Proven in myriad applications, ArmorFlex® 104 supports processes from wetcake to dry powder storage and transfer.



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Solvent Contact Resistance

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

Criteria

% Change in Physical Properties Resistance


0 - 10	Excellent
10 - 20	Very Good
20 - 30	Good
> 30	Fair



Physical Property Data

Property	Test Method	Results
Puncture Resistance	Fed Std 191-5120	11 lbf
Tear Strength	ASTM D 624-91 Die C	470 ppi (min)
Tensile Strength	ASTM D 412-97	5500 psi (min)
Elongation	ASTM D 412-97	490% (min)

European Norm Data

EN Number	Test	Results
EN 388: 1994	Protection against mechanical risks	
EN 420: 1994, Paragraph 4.4.42	Determination of pH value	Pass

CFR Conformance

21 CFR 177.1520
21 CFR 178.3130
21 CFR 182.90

USP Conformance

Conforms to USP 24 <661> for buffering capacity, heavy metals, non-volatile residues, residue on ignition, thermal analysis, and IR (ID identity). Passes USP Class VI (7 day implant) testing.



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Providing Flexible Containment Solutions to the Pharmaceutical Industry since 1997