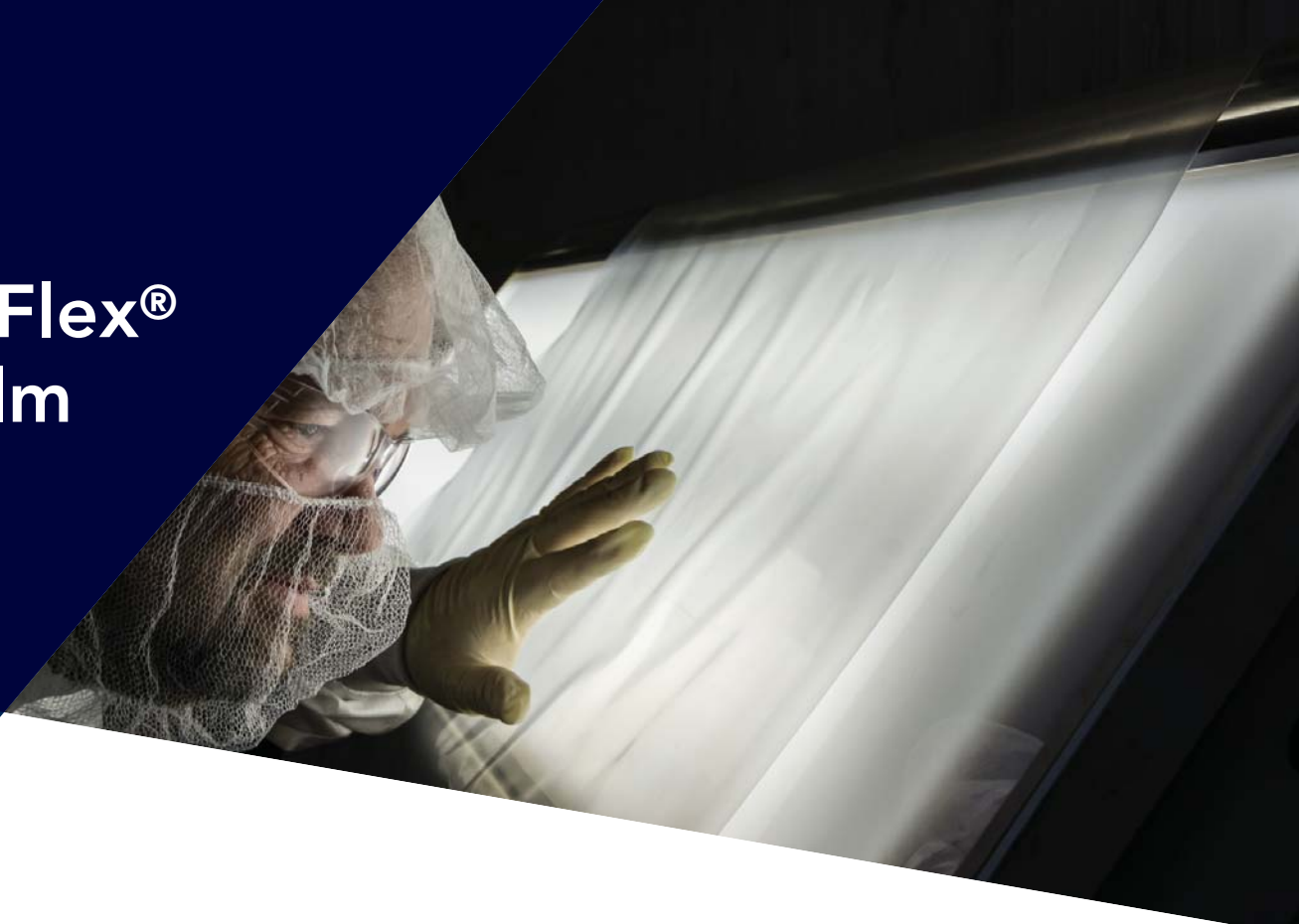




# ArmorFlex® 104 Film



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.

- 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 Film


## 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

## 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 388
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.

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



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