

FEP LAMP COATING HEAT SHRINK

Optinova's FEP lamp coating heat shrink solutions offer excellent shatter protection when breakage occurs. The FEP tubing prevents glass fragments and harmful substances, e.g. mercury, from leakage.

FEP covered lamps are used in applications where process safety is highly important such as food production, healthcare services and recreational and sports events.

We offer a full shatterproof coating service, or you can coat your own lamps in-house. Our specialist lamp coating process guarantees that your lamps comply with the Fragment Retention Lamp Standard IEC/BS EN 61549.



Our FEP tubing can cover virtually all lamp configurations, including T5, T8, T12 and even LED lamps. Special dimensions and sizes can also be supplied upon customer request.

KEY ADVANTAGES

- IEC/BS EN 61549 compliant
- Unaffected by UV light
- Excellent light transmission
- Flame rating: UL94 V-0
- FEP materials: FDA or USP class VI approved
- Food grade approvals: available upon request
- No degradation or discoloration over time
- Highly resistant to elevated heat and UV rays

APPLICATIONS

- Food processing facilities
- Supermarkets and warehouses
- Pharmaceutical manufacturing
- Healthcare facilities
- Electric fly and insect killers
- Sport venues and lighting installation in swimming halls, aquarium or under water

Contacts our sales offices or visit our website for more information about sample and specifications!

[optinova.com/contacts](https://www.optinova.com/contacts)

MATERIAL PROPERTIES

	FEP
Shrink temperature	Ca 100 °C (212 °F)
Shrink Ratio	1.3:1 and 1.6:1
Length change	+/- 12%
Working temperature	-100 °C to 205 °C -148 °F to 401 °F
Chemical resistance	Very good
Flammability	UL 94 V0
Shelf life	Infinite
Water absorption	>0,01%
Hardness	D55
UV resistance	Unaffected
Ozone resistance	Unaffected
Sterialization	EtO, Steam
Food grade materials	Available

The table above only shows the properties that are relevant to the FEP heat shrink product line. Please see the FEP Tubing brochure for more detailed information about the electrical, environmental, mechanical and thermal properties of the FEP material.