

The INEOS logo is displayed in a dark blue, serif font. The letter 'O' is stylized as a circle with a horizontal line through its center.

INEOS

Olefins & Polymers Europe

Your partner in

**BLOW
FILL SEAL**

**Proven solutions
for healthcare**

A close-up photograph of a medical drip chamber, showing a clear plastic body with a white top and bottom. A single drop of clear liquid is suspended from the bottom. The device is connected to clear plastic tubing. A person's hand is visible at the bottom right, holding the tubing.

INEOS



**We offer a wide range
of high value polyolefins
solutions for all kind of
market applications.**

INEOS Olefins & Polymers Europe

Blow Fill Seal

Pharmaceutical applications – what Eltex® MED provides

Product availability/change control

- / Continuity of supply and formulation (2 years)
- / Notice of changes (2 years)

Certification and regulation

- / European Pharmacopoeia composition compliance to Polyolefin related monographs: 3.1.4, 3.1.6
- / United States Pharmacopoeia USP class VI
- / Drug Master File nr. 21252 & 20554
- / Formula disclosure under secrecy agreement

Tested grades

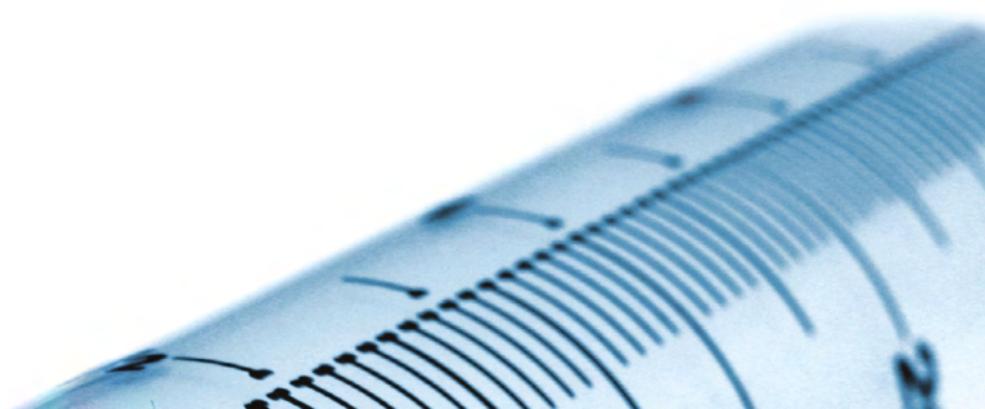
- / EUP full testing 3.1.4 & 3.1.6
- / USP class VI tested

Customised support

- / Technical support specific to Eltex® MED
- / Certificates online, Eltex® MED personalised access

Control and logistic

- / Maximised batch purity
- / Consistency batch-to-batch
- / Traceability (documentation and QC samples)
- / Inside storage/enhanced clean logistics: manufacturing to unloading



Eltex® MED Healthcare Product Range for BFS

A wide range of regularly tested polymers

LDPE Eltex MED range

Grades manufactured at our Norwegian facility in Bamble and German facility in Köln, certified ISO 9001 and 14001

	MFR g/10min	Density kg/m ³	Main Properties	Applications
Test Method	ISO 1133	ISO 1872		
PH22D630	0.3	922	Outstanding flexibility	BFS (SVP bottles & ampoules)
PH27D630	0.3	927	Steam auto-clave treatment up to 110 °C	BFS (SVP bottles & ampoules)
PH30D630	0.3	930	Steam auto-clave treatment above 110 °C	BFS (MVP & LVP bottles)
PH23H630	2	923	High fluidity requirements	Unidose ampoules

PP Eltex® MED range

Grades manufactured at our Lavéra facility in the South of France certified ISO 9001 and 14001

	MFR g/10min	Flex Mod 23° C MPa ISO 178 ISO 1872	Main Properties	Applications
Test Method	ISO 1133			
200-MG02	1.8	900	Good optical properties. Can be steam sterilised to 121° C. Easy processing.	BFS (bottles & ampoules)

Eltex® MED

- / Manufacturing in compliance with food-GMP's requirements and guidelines
- / Longer transition purge and/or appropriate placement into the product wheel
- / Narrowest manufacturing specifications
- / Mention of date of manufacture onto CoA's
- / Advanced CoA upon agreement including full European Pharmacopeia (3.1.4 for LDPE/3.1.6 for PP) testing on batch delivered
- / Periodic microbiological assessment on granules
- / Batch archive-sample retained for min. 3 years
- / FTIR spectrum fingerprint archived on each batch
- / EUP & USP testing periodically performed

INEOS Olefins & Polymers Europe is a market leading polyolefin producer, operating from a uniquely broad technology base. With a highly experienced sales and technical service team as well as extensive Research and Development facilities we are committed to developing and manufacturing specific product solutions for high demanding markets such as medical devices and pharmaceutical packaging. In a market requiring long and complex homologation protocols, Eltex® MED has a proven track record in meeting the needs of high-value packaging applications for medical & pharmaceutical products:

- / Additive-free resins guaranteeing optimised resin purity and quality consistency
- / Chemical inertia, compliance to regulations
- / Suitable for many converting processes, offering fast production cycles and design versatility
- / Preserving the quality of the most sensitive products
- / Ability of LDPE grades to be sterilised including autoclaving, EtO and gamma-radiation (up to 35KGy)
- / Offering much more than a product, offering you solutions



About us

INEOS is one of the world's largest chemical companies, founded in 1998. INEOS Olefins & Polymers Europe is a leading producer of olefins and polyolefins.

INEOS Olefins & Polymers Europe offers a full range of high value polyolefins solutions for market applications such as food and industrial packaging, pipe and automotive through dedicated sales, and technical service teams.

INEOS is a safe and environmentally responsible company. We are engaged in developing our sustainable agenda to improve our operations and to implement sustainable solutions for our customers. This includes products that offer lightweighting, energy efficiency, durability (extended lifetime) or conservation of resources. We care.



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