Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

# ELTEX® MED PH27D630

## Product Technical Information

Low Density Polyethylene for Pharmaceutical Blow Moulding

## Benefits & Features

**ELTEX® MED PH27D630** is a LD-polyethylene produced in a high-pressure process intended for blow moulding of soft and flexible packages for pharmaceutical products.
**ELTEX® MED PH27D630** is produced according to good manufacturing practice and is additive-free.
**ELTEX® MED PH27D630** is available in granular form.

## Applications

**ELTEX® MED PH27D630** can be used in "blow-fill and seal" machines for the production ampoules and bottles. The product can also be used for pharmaceutical products manufactured with other conversion techniques such as injection moulding and film blowing.
**ELTEX® MED PH27D630** will withstand heating up to 110°C and therefore units made from this product may be steam treated to max. 110°C.

| Properties | Conditions | Test Methods | Values | Units |
|---|---|---|---|---|
| **Physical** | | | | |
| Density | | ISO1183-1 & ISO 1872-1 | 927 | kg/m³ |
| Melt Flow Rate | 190°C/2.16 kg | ISO 1133-1 | 0.3 | g/10 min |
| **Mechanical** | | | | |
| Tensile Stress at Yield | 50 mm/min | ISO 527-1,-2 | 12 | MPa |
| Tensile Strain at Break | 50 mm/min | ISO 527-1,-2 | 350 | % |
| Tensile Modulus | 1 mm/min | ISO 527-1,-2 | 350 | MPa |
| Hardness Shore D | | ISO 868 | 52 | - |
| **Thermal** | | | | |
| Heat Deflection Temperature | 0.45 MPa | ISO 75-2 | 51 | °C |

**Data should not be used for specification work**

## Compliance to Regulations on Medical use

**ELTEX® MED PH27D630** complies with the European Pharmacopoeia – Monograph 3.1.4 and meets the requirements of the USP29, <88> guideline concerning the biological reactivity test in vivo (so-called USP Class VI)

## Processing guidelines

**ELTEX® MED PH27D630** is easy to extrude.
Recommended melt temperature is 165-200°C

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# ELTEX® MED PH27D630

## Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.


### Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

### Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

### Exclusion of Liability

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