



# ELTEX<sup>®</sup> MED PH21G630

## Product Technical Information

Low Density Polyethylene for Pharmaceutical Blow Moulding

### Benefits & Features

**ELTEX<sup>®</sup> MED PH21G630** is a LD-polyethylene produced in a high-pressure process intended for blow moulding of soft and flexible packages for pharmaceutical products. It is produced according to good manufacturing practice and is additive-free.

### Applications

**ELTEX<sup>®</sup> MED PH21G630** can be used in “blow-fill and seal” machines for the production of ampoules. The product can also be used for pharmaceutical products manufactured with other conversion techniques such as injection blow-moulding, injection moulding and film blowing.

The product is not intended for heat sterilization.

| Properties  | Conditions    | Test Methods           | Values | Units             |
|---|---------------|------------------------|--------|-------------------|
| <b>Physical</b>                                       |               |                        |        |                   |
| Density   |               | ISO1183-1 & ISO 1872-1 | 921    | kg/m <sup>3</sup> |
| Melt Flow Rate  | 190°C/2.16 kg | ISO 1133-1             | 1.5    | g/10 min          |
| <b>Mechanical</b>                                     |               |                        |        |                   |
| Tensile Stress at Yield                               | 50 mm/min     | ISO 527-1,-2           | 11     | MPa               |
| <b>Thermal</b>  |               |                        |        |                   |
| DSC Melting Point                                     | 10°C/min      | INEOS test Method      | 110    | °C                |
| <b>Data should not be used for specification work</b> |               |                        |        |                   |

## Compliance to Regulations on Medical use

**ELTEX<sup>®</sup> MED PH21G630** complies with the European Pharmacopoeia – Monograph 3.1.4, USP <88> Class VI and USP 661.1

### Processing guidelines

**ELTEX<sup>®</sup> MED PH21G630** is easy to extrude.  
Recommended melt temperature is 165-190°C

### 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.