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

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.