ELTEX® MED HD5226EA-M

Product Technical Information

High Density Polyethylene for Pharmaceutical injection moulding.

ELTEX® MED HD5226EA-M is a high density polyethylene copolymer with a narrow molecular weight distribution, suitable for thin-wall injection moulding and fast-cycling applications. It allows high flow and low warpage during processing.

ELTEX® MED HD5226EA-M is produced according to Good Manufacturing Practices, and is available in granular form.

Applications

ELTEX® MED HD5226EA-M is especially recommended for manufacturing syringe components by injection moulding. It can also be used for manufacturing thin-walled containers and Caps & Closures intended for the primary packaging of medical and pharmaceutical applications.

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16kg	ISO 1133-1	26	g/10min
Physical				
Density ISO 1872-1	23°C	ISO 1183-1	953	kg/m³
Mechanical				
Tensile Modulus	23°C, 1 mm/min	ISO 527-2	1150	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	26	MPa
Charpy Impact Strength, notched	23°C	ISO 179-1/1eA	2.5	kJ/m²
Environmental Stress Cracking Resistance (ESCR)	23°C	ASTM D 1693	8	h

Data should not be used for specification work

Compliance to Regulations on Medical use

ELTEX® MED HD5226EA-M

- complies with European Pharmacopeia Monograph 3.1.5 (6th edition)
- meets the requirements of the USP <88> guideline concerning the biological reactivity test in vivo (so-called USP class VI)

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.