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)

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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".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

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.

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