

Eltex® MED HD5226EA-M

High Density Polyethylene

INEOS Olefins & Polymers Europe

Technical Data

Product Description

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.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• INEOS Olefins & Polymers Europe		
Availability	• Europe		
Features	• Copolymer • Fast Molding Cycle	• High Density • High Flow	• Low Warpage • Narrow Molecular Weight Distribution
Uses	• Caps • Closures	• Medical/Healthcare Applications • Packaging	• Thin-walled Containers
Agency Ratings	• EP Monograph 3.1.3	• EP Monograph 3.1.5	• USP Class VI
RoHS Compliance	• Contact Manufacturer		
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
Density	0.953 g/cm ³	ISO 1872-1
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	26 g/10 min	ISO 1133
Environmental Stress-Cracking Resistance 23°C	8.00 hr	ASTM D1693
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	1150 MPa	ISO 527-2/1B
Tensile Stress (Yield, 23°C)	26.0 MPa	ISO 527-2
Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5 kJ/m ²	ISO 179

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.