

# Eltex® MED HD5226EA-M

High Density Polyethylene Copolymer

INEOS Olefins & Polymers Europe

## Message:

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 Information			
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 <sup>3</sup>	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 <sup>2</sup>	ISO 179

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#### Recommended distributors for this material

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