

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 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

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