

Eltex® A4009MFN1325

High Density Polyethylene
INEOS Olefins & Polymers Europe

Technical Data

Product Description

Eltex® A4009MFN1325 is a high density polyethylene. It is a homopolymer with a narrow molecular weight distribution primarily intended for the extrusion of monofilaments.

- Applications:
- extrusion of monofilaments
 - high tenacity tapes
 - ceral liner films
 - injection molding
 - Blow-moulding for food packaging

- Benefits and Features:
- high tenacity monofilaments and tapes
 - very low content
 - superior processability & surface quality
 - very low MVTR (moisture vapor transmission rate)

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• INEOS Olefins & Polymers Europe		
Availability	• Europe		
Features	• Good Processability • Good Surface Finish • High Tensile Strength	• Homopolymer • Low Gel • Low Moisture Vapor Transmission	• Narrow Molecular Weight Distribution
Uses	• Blow Molding Applications • Film	• Food Packaging • Monofilaments	• Tape
RoHS Compliance	• Contact Manufacturer		
Forms	• Pellets		
Processing Method	• Blow Molding	• Filament Extrusion	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	0.960 g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR)		ISO 1133
190°C/2.16 kg	0.90 g/10 min	
190°C/21.6 kg	36 g/10 min	
190°C/5.0 kg	2.8 g/10 min	

Thermal	Nominal Value Unit	Test Method
Melting Temperature ³	136 °C	ISO 11357-3

Additional Information	Nominal Value Unit
Apparent Dynamic Viscosity ⁴ (190°C)	1700000 mPa·s

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.
- ³ 2nd heating
- ⁴ 100 1/s