

Eltex® EXP9320

Metallocene Linear Low Density Polyethylene
INEOS Olefins & Polymers Europe

Message:

Eltex® EXP9320 is a polyethylene copolymer containing hexene-1 as the comonomer produced with a metallocene catalyst. It offers the following properties:

- Extremely high impact strength
- Excellent optical properties
- Very good bubble stability and extrudability.
- Low temperature sealing characteristics

Eltex® EXP9320 is formulated with antioxidants, slip and antiblock additives and a processing aid. Addition of other polymers, masterbatch and pigments may alter film slip and antiblock performance.

Applications

Eltex® EXP9320 has been developed for use in food packaging and other thin film applications where excellent mechanical and optical performance is required.. Eltex® EXP9320 offers easy extrudability

We recommend that you consult your INEOS technical representative for further advice on the use of Eltex® EXP9320

General Information			
Additive	Antiblock (300 ppm) [Silica]		
	Antioxidant		
	Erucamide Slip (1000 ppm)		
	Processing Aid		
Features	Antiblocking		
	Antioxidant		
	Copolymer		
	Food Contact Acceptable		
	Hexene Comonomer		
	High Impact Resistance		
	Low Temperature Heat Sealability		
	Opticals		
Slip			
Uses	Film		
	Food Packaging		
RoHS Compliance	Contact Manufacturer		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.920	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	1.3	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	< 0.25		ASTM D1894
Films	Nominal Value	Unit	Test Method

Film Thickness - Tested	25	μm	
Tensile Modulus			ISO 1184
1% Secant, MD : 25 μm	180	MPa	
1% Secant, TD : 25 μm	200	MPa	
Tensile Stress			ISO 1184
MD : Yield, 25 μm	9.00	MPa	
TD : Yield, 25 μm	10.0	MPa	
MD : Break, 25 μm	65.0	MPa	
TD : Break, 25 μm	60.0	MPa	
Tensile Elongation			ISO 1184
MD : Break, 25 μm	550	%	
TD : Break, 25 μm	670	%	
Dart Drop Impact (25 μm)	> 1000	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 μm	200	g	
TD : 25 μm	440	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 μm)	65		ASTM D2457
Haze (25.0 μm)	7.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 230	°C	
NOTE			

1. Conditioning ISO 1872/1

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