

# Eltex® PF1315AZ

Metallocene Linear Low Density Polyethylene

INEOS Olefins & Polymers Europe

## Message:

Additive free C6 m-LLDPE for extrusion coating, injection moulding and compounding.

### Benefits & Features

outstanding ESCR performance

improved sealing performance

improved mechanical properties

### Applications

For extrusion coating:

extrusion coating polymer for high demand on sealing and mechanical performance

For injection moulding and compounding:

absence of any kind of additive allowing tailor formulation of specific compounds and master-batches

General Information			
Features	Low density		
	High ESCR (Stress Cracking Resistance)		
	No additive		
Uses	Composite		
	Masterbatch		
	Coating application		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Composite		
	Extrusion coating		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.914	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (Compression Molded)	175	hr	Internal method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	46		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	217	MPa	ISO 527-2
Tensile Stress (Yield, 23°C, Compression Molded)	9.00	MPa	ISO 527-2
Tensile Strain			ISO 527-2

Yield, molding	22	%	ISO 527-2
Fracture, molding	> 600	%	ISO 527-2
Flexural Modulus (23°C, Compression Molded)	244	MPa	ISO 178
Tensile fracture strength-Compression Molded	No Break		ISO 527-2
Heat of Fusion	104	J/g	ASTM D3418
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-20°C, Compression Molded)	71	kJ/m <sup>2</sup>	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	90.0	°C	ISO 306/A50
Melting Temperature <sup>1</sup>	96.0 - 114	°C	ISO 11357-3
Peak Crystallization Temperature	84 - 100	°C	Internal method
Injection	Nominal Value	Unit	
Processing (Melt) Temp	< 280	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	< 280	°C	
NOTE			

1. DSC 2nd heating 10°C/min

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