

Eltex® PF1315AA

Medium Density Polyethylene

INEOS Olefins & Polymers Europe

Message:

C6 m-LLDPE for extrusion coating, injection moulding and compounding with a basic antioxidant additive package.

Benefits & Features

outstanding ESCR performance

improved sealing performance

improved mechanical properties

Applications

extrusion coating polymer for high demand on sealing and mechanical performance

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	High ESCR (Stress Crack Resist.)		
	Low Density		
Uses	Coating Applications		
	Compounding		
Forms	Pellets		
Processing Method	Compounding		
	Extrusion Coating		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.914	g/cm ³	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
Shore 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, Compression Molded	22	%	
Break, Compression Molded	> 600	%	
Flexural Modulus (23°C, Compression Molded)	244	MPa	ISO 178

Tensile Strength at Break - Compression Molded	No Break		ISO 527-2
Heat of Fusion	104	J/g	ASTM D3418
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (-20°C)	71	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	90.0	°C	ISO 306/A50
Melting Temperature ¹	96.0 to 114	°C	ISO 11357-3
Peak Crystallization Temperature	84 to 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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