

Eltex® PF1320AA

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)	0.913	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (Compression Molded)	29.0	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)	225	MPa	ISO 527-2
Tensile Stress (Yield, 23°C, Compression Molded)	8.00	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield, Compression Molded	18	%	
Break, Compression Molded	> 600	%	
Flexural Modulus (23°C, Compression Molded)	260	MPa	ISO 178

Tensile Strength at Break - Compression			
Molded	No Break		ISO 527-2
Heat of Fusion	101	J/g	ASTM D3418
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (-20°C, Compression Molded)	70	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	88.0	°C	ISO 306/A50
Melting Temperature ¹	96.0 to 114	°C	ISO 11357-3
Peak Crystallization Temperature	82 to 101	°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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

