

Eltex® PF1320AA

Product Technical Information

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

Applications

- extrusion coating polymer for high demand on sealing and mechanical performance

Benefits and Features

- outstanding ESCR performance
- improved sealing performance
- improved mechanical properties

We recommend that you consult your INEOS technical representative for further advice on the use of **Eltex® PF1320AA**.

Properties		Test Method	Value	Units
Physical				
Melt Flow Rate	(190°C/2,16kg)	ISO 1133	20	g/10min
Density		ISO 1183	913	kg/m ³
		Conditioning ISO 1872/1		
Mechanical*				
Shore Hardness D		ISO 868	46	
Tensile Modulus		ISO 527	212	MPa
Tensile Stress	@ yield	ISO 527	8	MPa
Elongation	@ yield		22	%
Tensile Stress	@ break	ISO 527	no break	MPa
Elongation	@ break	ISO 527	>600	%
Flexural Modulus	(23°C)	ISO 178	243	MPa
Izod Impact Strength	(-20°C)	ISO 180	70	kJ/m ²
ESCR (Environmental Stress Crack Resistance)		INEOS Test Method	29	h
Thermal				
DSC Melting Point		INEOS Test Method	96 114	°C
Heat of Fusion		ASTM 3418	101	J/g
Crystallisation Point		INEOS Test Method	100 84	°C
Vicat Softening Point		ISO 306 Method A	89	°C

Data should not be used for specification work.

* Measurements made on compression moulded plaques



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Extrusion conditions

For extrusion coating it is recommended to avoid extrusion temperatures above 300°C, not to jeopardize the sealing properties.
For injection moulding it is recommended to avoid extrusion temperatures above 280°C.

Storage

Eltex® PF1320AA should be stored in a dry and dust free environment at temperatures below 50°C. Exposure to direct sunlight should be avoided, as this may lead to product deterioration.

Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@ineos.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

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