



# ELTEX<sup>®</sup> PF1320AZ

## Product Technical Information

Additive free C<sub>6</sub> 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

We recommend that you consult your INEOS technical representative for further advice on the use of ELTEX<sup>®</sup> PF1320AZ.

Properties	Conditions	Test Methods	Values	Units
<b>Rheological</b>				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	20	g/10min
<b>Physical</b>				
Density ISO 1872-1	23°C	ISO 1183-2	913	kg/m <sup>3</sup>
<b>Mechanical*</b>				
Shore hardness D		ISO 868	46	-
Tensile Modulus		ISO 527-2	225	MPa
Tensile strength at Yield	23°C	ISO 527-1,-2	8	MPa
Tensile strain at Yield		ISO 527-2	18	%
Tensile strength at Break		ISO 527-2	No break	MPa
Tensile strain at Break		ISO 527-2	>600	%
Flexural Modulus	23°C	ISO 178	260	MPa
Izod Impact Strength, notched	-20°C	ISO 180/A	70	kJ/m <sup>2</sup>
Environmental Stress Crack Resistance		INEOS Test Method	29	h
<b>Thermal</b>				
Melting Temperature	DSC 2nd heating 10°C/min	ISO 11357-3	96 - 114	°C
Heat of Fusion		ASTM 3418	101	J/g
Crystallization Temperature		INEOS Test Method	101 - 82	°C
Vicat Softening Temperature	10N	ISO306/A50	88	°C

**Data should not be used for specification work**

\* Measurements made on compression moulded plaques

April 2015

Published by

**INEOS** Olefins & Polymers Europe



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## Processing guidelines

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

For injection moulding it is recommended to avoid extrusion temperatures above 280°C.

## Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration.

It is advised to process the product within maximum one year after delivery.

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The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website [www.ineos.com](http://www.ineos.com) where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

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