

ELTEX[®] PF1315AZ

Product Technical Information

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

We recommend that you consult your INEOS technical representative for further advice on the use of **ELTEX[®] PF1315AZ**.

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	15	g/10min
Physical				
Density ISO 1872-1	23°C	ISO 1183-1	914	kg/m ³
Mechanical*				
Shore hardness D		ISO 868	46	-
Tensile Modulus		ISO 527-2	217	MPa
Tensile Strength at Yield	23°C	ISO 527-1,-2	9	MPa
Tensile strain at Yield		ISO 527-2	22	%
Tensile strength at Break		ISO 527-2	No break	MPa
Tensile strain at Break		ISO 527-2	>600	%
Flexural Modulus	23°C	ISO 178	244	MPa
Izod Impact Strength, notched	-20°C	ISO 180/A	71	kJ/m ²
Environmental Stress Crack Resistance		INEOS Test Method	175	h
Thermal				
Melting Temperature	DSC 2nd heating 10°C/min	ISO 11357-3	96 - 114	°C
Heat of Fusion		ASTM 3418	104	J/g
Crystallization Temperature		INEOS Test Method	100 - 84	°C
Vicat Softening Temperature	10N	ISO306/A50	90	°C

Data should not be used for specification work

* Measurements made on compression moulded plaques

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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.

Regulatory Information

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 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.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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