ELTEX® PF1320AZ

Product Technical Information

Additive free C_6 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® PF1320AZ**.

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	20	g/10min
Physical				
Density ISO 1872-1	23°C	ISO 1183-2	913	kg/m³
Mechanical*				
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/m²
Environmental Stress Crack Resistance		INEOS Test Method	29	h
Thermal				
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

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.