ELTEX® PF0103XA

Provisional Product Technical Information

ELTEX® PF0103XA is a metallocene polyethylene plastomer resin produced in Europe

Benefits & Features

ELTEX® PF0103XA is a polyethylene copolymer containing hexene-1 as comonomer and produced with a metallocene catalyst. It offers the following properties:

- Extremely low sealing initiation temperature and excellent Hot Tack strength
- Unrivalled impact strength and puncture resistance
- Very high gloss and transparency
- Softness and flexibility
- Excellent blending compatibility with other polyolefin grades

Applications

ELTEX® PF0103XA has been developed for use in highly technical blown and cast film like food packaging, lamination and co-extrusion applications where superior mechanical and sealing performance is required.
ELTEX® PF0103XA can be used pure or as a blending partner with other polyolefins. In addition, **ELTEX® PF0103XA** offers easy extrudability.
ELTEX® PF0103XA is also recommended as a softening agent in film and non-film compositions requiring softness or flexibility like compounds for wire and cable applications. The very low density and the unique microstructure of **ELTEX® PF0103XA** are also valuable as toughness enhancer in various applications, including polypropylene moulding.

We recommend that you consult your INEOS technical representative for further advice on the use of **ELTEX® PF0103XA.**

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/2.16Kg	ISO 1133-1	2.8	g/10min
Physical				
Density ISO 1872-1	23°C	ISO 1183-2	902	kg/m³
Thermal				
Peaks melting temperature (DSC)		INEOS Test Method	85 – 111	°C
Vicat Softening temperature	10N	ISO306/A50	77	°C
Additives				
Antioxidants				

Data should not be used for specification work

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Processing guidelines

ELTEX® PF0103XA should be processed on machinery purpose designed for LLDPE. Melt temperatures in the range 190 - 250°C can be used.

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.