Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

ELTEX® B6922N1347

Product Technical Information

ELTEX® B6922N1347 is a high density polyethylene copolymer grade specially developed for extrusion production process.

Applications

- Extrusion production process

Properties	Conditions	Test Methods	Values	Units
Physical				
Density [1]	23°C	ISO 1183-1	944	kg/m³
Rheological				
Melt Flow Rate	190°C/5kg	ISO 1133-1	0.35	g/10min
Apparent dynamic viscosity [2]	190°C and 100 s-1	INEOS Test Method	2300	Pa.s
Mechanical*				
Tensile strength at break [3]	23°C, 50 mm/min	ISO 527-2	24	MPa
Tensile strain at Break	23°C, 50 mm/min	ISO 527-2	>500	%
Tensile Modulus [4]	23°C, 1 mm/min	ISO 527-2	1120	MPa
Thermal				
Melting Temperature	DSC 2nd heating 10°C/min	ISO 11357-3	130	°C
Heat Deflection Temperature	0.45 MPa	ISO 75-2	63	°C
Vicat Softening Temperature	10N	ISO306/A50	123	°C
Other				
Molecular weight distribution		INEOS	wide	-

Data should not be used for specification work

[1] Compression-moulded discs, cooled at the rate of 15°C per minute.

[2] Apparent dynamic viscosity of the material extruded at 190°C through a 2.0 mm diameter and 30 mm long die, at apparent shear rate 100 s-1.

[3] Measured on compression-moulded plates of 2.0 mm thickness.

[4] Measured on compression-moulded plates: Testing rate :1 mm/min, thickness : 4 mm.

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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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