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ELTEX® B4922N3004

Product Technical Information

ELTEX® B4922N3004 is a natural high density polyethylene designed for extrusion applications.

ELTEX® B4922N3004 is a high density polyethylene with bimodal molecular design making use of hexene co-monomer for polymerisation.

Benefits & Features

- Outstanding resistance to stress cracking
- Very good processing – Suitable for co-extrusion process

Applications

- Extrusion production process
- Non pressure pipe
- Industrial and chemical parts
- Sheets production

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/5kg	ISO 1133-1	0.3	g/10min
Physical				
Density ISO 1872-1	23°C	ISO 1183-1	949	kg/m³
Mechanical				
Tensile Strength at Yield	23°C, 50mm/min	ISO 527-2	25	MPa
Tensile Strain at Break	23°C, 50 mm/min	ISO 527-2	>350	%
Tensile Modulus	23°C, 1 mm/min	ISO 527-2	1100	MPa
FNCT*	80°C, 2% Arkopal N100 4 N/mm²	ISO 16770	>1	year
Thermal				
Vicat Softening Temperature	10N	ISO306/A50	121	°C

Data should not be used for specification work

* property reached with the addition of a suitable antioxidant package

December, 2015

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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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