



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/m ³
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/mm ²	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

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.