ELTEX® TUB120 NRG

Product Technical Information

ELTEX® TUB120 NRG is a natural high-density polyethylene copolymer with increased resistance to temperature designed for the extrusion of pipes.

Benefits & Features

ELTEX® TUB 120 NRG key characteristics are

- a PE-RT type II classification according to ISO 24033 based on ISO 9080 analysis,
- a MRS 10 (PE 100) classification in accordance with ISO 12162 based on ISO 9080 analysis,
- step-out performance of increased stress cracking resistance.

Applications

- Industrial pressure and non-pressure pipes
- Oil & Gas pipes
- Ducting of High Voltage cables
- Extruded sheets

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/5kg	ISO 1133-1	0.30	g/10min
Physical				
Density	23°C	ISO 1183-1	949	kg/m³
Mechanical				
Flexural Modulus	23°C	ISO 178	1100	MPa
Tensile Strength at Yield	23°C, 50 mm/min	ISO 527-2	25	MPa
Strain Hardening Modulus	80°C	ISO 18488	>55	MPa
Thermal				
Oxidation Induction Time (OIT)	210°C	ISO 11357-6	>20	Min

Data should not be used for specification work

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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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