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

Eltex® TUB121N3000

Product Technical Information

Eltex® TUB121N3000 is a high-density polyethylene copolymer designed for the extrusion of large diameter pressure pipes. It is classified PE 100 in accordance with ISO 12162 based on ISO 9080 analysis.

Characteristics

- PE 100 Black pipe compound

Applications

- Gas
- Water
- Industrial

Properties	Test Method	Value	Units
Physical			
Density (pigmented)	ISO 1183/A	960	kg/m³
Melt Flow Rate (5 kg/190°C, Condition T)	ISO 1133	0.25	g/10min
Mechanical			
Tensile Strength @ Yield (23°C @ 50 mm/min)	ISO 527-2	25	MPa
Tensile Elongation @ Break (23°C @ 50 mm/min)	ISO 527-2	> 350	%
Tensile Modulus (23°C @ 1 mm/min)	ISO 527-2	1100	MPa
Thermal			
VICAT Softening Point (1 kg)	ISO 306	128	°C
Thermal Stability (OIT, 210°C)	ISO 11357-6	>20	min
Pigmentation			
Carbon Black Dispersion	ISO 18553	<3	Grade
Carbon Black Content	ISO 6964	2 to 2.5	%

The values given are typical values measured on the product. These values should not be considered as specifications.

June, 2011

Published by

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Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@ineos.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

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 Material Safety Data Sheet (MSDS) that may be obtained from the website www.ineospolyolefins.com . Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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