



Eltex® TUB 121 Black

Product Technical Information

Eltex® TUB 121 is a high-density polyethylene copolymer designed for the extrusion of pressure pipes and injection moulding of pipe fittings. 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	959	kg/m ³
Melt Flow Rate (5 kg/190°C, Condition T)	ISO 1133	0.45	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 10837	>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.



Eltex® TUB 121 Black

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@innovene.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 <http://techservice.innovene.com>. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

Exclusion of Liability

Although INEOS POLYOLEFINS endeavours to ensure that all information and advice relating to our materials or other materials howsoever provided to you by INEOS POLYOLEFINS is accurate and up to date, no representation or warranty, express or implied is made by INEOS POLYOLEFINS as to its accuracy or completeness. All such information and advice is provided in good faith and INEOS POLYOLEFINS is not, to the maximum extent permitted by law, liable for any action you may take as a result of relying on such information or advice or for any loss or damage, including any consequential loss, suffered by you as a result of taking such action.

In addition data and numerical results howsoever provided to you by INEOS POLYOLEFINS are given in good faith and are general in nature. Data and numerical results are not and shall not be regarded as specifications and as such INEOS POLYOLEFINS is not, to the maximum extent permitted by law, liable for any action that you take as a result of relying on such data and results or for any loss or damage, including any consequential loss, suffered by you as a result of taking such action.

It remains at all times your responsibility to ensure that INEOS POLYOLEFINS materials are suitable for the particular purpose intended and INEOS POLYOLEFINS shall not be responsible for any loss or damage caused by misuse of INEOS POLYOLEFINS products. To the maximum extent permitted by law, INEOS POLYOLEFINS accepts no liability whatsoever arising out of the application, adaptation or processing of the products described herein, the use of their materials in lieu of INEOS POLYOLEFINS materials or the use of INEOS POLYOLEFINS materials in conjunction with such other materials.