ELTEX® TUB121

Product Technical Information

ELTEX® TUB121 is a high-density polyethylene copolymer designed for injection moulding of pipe fittings. It is characterized as PE 100 Black pipe compound

Benefits & Features

ELTEX® TUB121 is classified PE 100 in accordance with ISO 12162 based on ISO 9080 analysis.
ELTEX® TUB121 is specifically recommended for injection moulding of fittings.

Applications

- Gas
- Water
- Industrial

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/5 kg	ISO 1133-1	0.45	g/10min
Physical				
Density ISO 1872-1	23°C	ISO 1183-1	959	kg/m³
Mechanical				
Tensile Strength at Yield	23°C	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
Thermal				
Vicat Softening Temperature	10N	ISO306/A50	128	°C
Oxidation Induction Time (OIT)	210°C	ISO 11357-6	>20	min
Pigmentation				
Carbon Black Dispersion		ISO18553	<3	Grade
Carbon Black Content		ISO6964	2 to 2.5	%

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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