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

Eltex® TUB123N6000

Product Technical Information

ELTEX® TUB123N6000

Eltex® TUB123N6000 is a high-density polyethylene copolymer designed for the co-extrusion of an external UV protective layer for pressure pipes.

Characteristics

- White high density extrusion compound with excellent UV resistance, lower surface temperature in high solar radiation and high stress cracking resistance.

Applications

- Protective external layer for RTP and other pressure pipe.

Properties	Test Method	Value	Units
Physical			
Density (pigmented)	ISO 1183/A	980	kg/m³
Melt Flow Rate (5 kg/190°C, Condition T)	ISO 1133	0.33	g/10min
Mechanical			
Tensile Strength at Yield (23°C @ 50mm/min)	ISO 527-2	19	MPa
Tensile Elongation at Break (23°C @ 50 mm/min)	ISO 527-2	>350	%
Thermal			
VICAT Softening Point (1 kg)	ISO 306	127	°C
Thermal Stability (OIT, 210°C)	ISO 11357-6	>60	min

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After Weathering*

Thermal stability (OIT, 210°C)	ISO 11357-6	>20	min
Tensile Elongation @ Break (23°C @ 50 mm/min)	ISO 527-2	> 350	%

* Based on VW-Audi Protocol PV 3929 'Kalahari Test', irradiation 290 to 400 nm, 68 W/m², 20% RH (no sprinkling). Duration 2,500 h instead of standard 155 h

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

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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