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.