

ELTEX[®] TUB172

Product Technical Information

ELTEX[®] TUB172 is a medium-density polyethylene copolymer designed for the extrusion of pressure pipes for gas applications. It is classified PE80 in accordance with ISO 12162 based on ISO 9080 analysis.

Characteristics

- Yellow PE80 (RAL 1018) pipe compound

Applications

- Gas

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/5 kg	ISO 1133-1	0.85	g/10min
Physical				
Density	pigmented, 23°C, conditioning ISO 17855-1	ISO 1183-1	939	kg/m ³
Thermal				
Oxidation Induction Time (OIT)	210°C	ISO 11357-6	>20	min
Pigmentation				
Pigment Dispersion		ISO 18553	<3	Grade
Mechanical				
Tensile Strength at Yield	23°C, 50 mm/min	ISO 527-2	19	MPa
Tensile Strain at Break	23°C, 50 mm/min	ISO 527-2	>350	%
Tensile Modulus	23°C, 1 mm/min	ISO 527-2	750	MPa
Vicat Softening Temperature	under 1 kg	ISO 306	121	°C
Data should not be used for specification work				

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.