

ELTEX[®] PC002-50R968

Product Technical Information

ELTEX[®] PC002-50R968 is a medium-density polyethylene copolymer designed for the extrusion of pressure pipes for water applications. It is classified PE80 in accordance with ISO 12162 based on ISO 9080 analysis.

Characteristics

- Blue PE80 (RAL 5012) pipe compound

Applications

- Water

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	190°C/5 kg	ISO 1133-1	0.9	g/10min
Physical				
Density	pigmented, 23°C, conditioning ISO 17855-1	ISO 1183-1	943	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	18	MPa
Tensile Strain at Break	23°C, 50 mm/min	ISO 527-2	> 350	%
Tensile Modulus	23°C, 1 mm/min	ISO 527-2	700	MPa
Vicat Softening temperature	Under 1 kg	ISO 306	116	° 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.