

Eltex® PC002-50R968

Medium Density Polyethylene
INEOS Olefins & Polymers Europe

Message:

Eltex® PC 002-50 R968 is a medium-density polyethylene copolymer designed for the extrusion of pressure pipes for water applications. It is classified PE 80 in accordance with ISO 12162 based on ISO 9080 analysis.

Characteristics:
PE 80 Blue pipe compound

Applications:
Water

General Information			
Features	Copolymer		
	Medium Density		
Uses	Piping		
Agency Ratings	ISO 9080 PE 80 ISO 12162		
RoHS Compliance	Contact Manufacturer		
Appearance	Blue		
Processing Method	Extrusion		
	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.943	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.90	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	700	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	18.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 350	%	ISO 527-2/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	116	°C	ISO 306/A
Thermal Stability - OIT (210°C)	> 20	min	ISO 11357-6
Pigment Dispersion ¹	< 3		ISO 18553
NOTE			
1.	Grade		

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