

Eltex® TUB172

Medium Density Polyethylene
INEOS Olefins & Polymers Europe

Message:

Eltex® TUB 172 is a medium-density polyethylene copolymer designed for the extrusion of pressure pipe for gas applications. It is classified PE 80 in accordance with ISO 12162 based on ISO 9080 analysis.

Characteristics:
PE 80 Yellow pipe compound

Application:
Gas

General Information	
Features	Copolymer
Uses	Natural Gas Distribution
	Piping
Agency Ratings	ISO 9080 PE 80 ISO 12162
RoHS Compliance	Contact Manufacturer
Appearance	Yellow
Forms	Pellets
Processing Method	Extrusion
	Pipe Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.939	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.85	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	750	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	19.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 350	%	ISO 527-2/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	121	°C	ISO 306/A
Thermal Stability - OIT (210°C)	> 20	min	ISO 11357-6
Pigment Dispersion ¹	< 3.00		ISO 18553

NOTE	
1.	Grade

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