

Eltex® TUB121

High Density Polyethylene Copolymer
INEOS Olefins & Polymers Europe

Message:

ELTEX® TUB121 is a high-density polyethylene copolymer designed for injection moulding of pipe fittings. It is characterized as PE 100 Black pipe compound

Benefits & Features

ELTEX® TUB121 is classified PE 100 in accordance with ISO 12162 based on ISO 9080 analysis.

ELTEX® TUB121 is specifically recommended for injection moulding of fittings.

Applications

Gas

Water

Industrial

General Information			
Additive	Carbon Black (2 to 3%)		
Features	Copolymer		
	High Density		
Uses	Fittings		
	Industrial Applications		
Agency Ratings	ISO PE 100		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.959	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.45	g/10 min	ISO 1133
Carbon Black Dispersion	< 3		ISO 18553
Oxidation Induction Time (210°C)	> 20	min	ISO 11357-6
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1100	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	25.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	> 350	%	ISO 527-2/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	128	°C	ISO 306/A50

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