

Eltex® TUB 400-IM01

Polypropylene Impact Copolymer

INEOS Olefins & Polymers Europe

Message:

Polypropylene - Impact Copolymer

Benefits & Features

Eltex® TUB 400-IM01 is a low melt flow rate impact copolymer recommended for fittings and manholes. This nucleated grade allows a faster cooling and excellent dimensional stability. It offers a superior balance of stiffness and impact strength and has a good long term stability

Improved stiffness (while keeping a high impact resistance)

Excellent processability and lower moulding cycle time

Long term heat stability

Applications

Non pressure pipes (for drainage and sewerage, soil and waste, ...)

Injection molding (fittings, manholes, ...)

General Information			
Additive	Nucleating agent		
Features	Nucleated		
	Good dimensional stability		
	Impact copolymer		
	Impact resistance, high		
	Workability, good		
	Low liquidity		
	Thermal stability, good		
Uses	Piping system		
	Accessories		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Pipeline extrusion molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus			ISO 178
23°C, 4.00mm, compression molding	1650	MPa	ISO 178
23°C, 4.00mm, injection molding	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	8.0	kJ/m ²	ISO 179/1eA

0°C	12	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	167	°C	ISO 11357-3
Peak Crystallization Temperature	127	°C	ISO 11357-3
Oxidation Induction Time (200°C)	> 20	min	ISO 11357-6
NOTE			

1. DSC 2nd heating 10°C/min

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