



# Eltex® TUB 400-IM01

## Product Technical Information

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, ...)

Properties	Conditions	Test Methods	Values	Units
<b>Physical</b>				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	0.8	g/10min
<b>Mechanical</b>				
Flexural Modulus	23°C	ISO 178	1650 <sup>(1)</sup> / 1500 <sup>(2)</sup>	MPa
Charpy Impact Strength, notched	0°C	ISO 179/1eA	12	KJ/m2
Charpy Impact Strength, notched	-20°C	ISO 179/1eA	8	KJ/m2
<b>Thermal</b>				
Melting Temperature	DSC 2nd heating 10°C/min	ISO 11357-3	167	°C
Crystallization Point		ISO 11357-3	127	°C
Oxidation Induction Time (OIT)	200°C	ISO 11357-6	>20	°C

**Data should not be used for specification work**

<sup>(1)</sup> Measured on 4 mm thick compression moulded specimens (cooling rate = -15°C/min)

<sup>(2)</sup> Measured on 4 mm thick injection moulded specimens

### 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.