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
Physical				
Melt Flow Rate	230°C/2.16Kg	ISO 1133-1	0.8	g/10min
Mechanical				
Flexural Modulus	23°C	ISO 178	1650 (1) / 1500 (2)	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
Thermal				
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

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

(2) 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.