Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

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

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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.

Regulatory Information

The product and uses described herein may be subject to specific requirements or limitations for use in certain applications like food contact, drinking water or medical devices. Further information may be obtained from the website www.ineos.com where a specific Regulatory Certificate is available for each grade under the heading "SDS & Regulatory Certificate".

Unless specifically indicated, the product mentioned herein is not suitable for applications in the medical or pharmaceutical sectors.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Safety Data Sheet (SDS) that may be obtained from the website www.ineos.com. Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

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