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

ELTEX® TUB 350-HM00

Product Technical Information

Polypropylene – Impact Copolymer

ELTEX® TUB 350-HM00 is a low melt flow rate impact copolymer specifically designed for extrusion of non pressure pipes but can also be used for other extrusion applications. It offers a very high stiffness while keeping good impact strength (even at low temperature) and excellent processability. This grade has very good long term stability and provides excellent ring stiffness in both solid and structured wall gravity pipes.

Benefits & Features

- Very high rigidity (PP-HM)
- Good impact resistance
- Non-filled, low density
- High melt strength
- Very good long term stability
- Excellent processability (for solid and structured wall pipes extrusion)

Applications

- Non-pressure pipes and fittings (for drainage and sewerage, soil & waste,…)
- Sheet extrusion
- Blow moulding

Properties	Conditions	Test Methods	Values	Units
Rheological				
Melt Flow Rate	230°C/2.16kg	ISO 1133-1	0.3	g/10min
Physical				
Density ISO 17855-1	23°C	ISO 1183-1	908	kg/m³
Mechanical				
Tensile Strain at yield	23°C, 50 mm/min	ISO 527-1,-2	8	%
Tensile Stress at yield	23°C, 50 mm/min	ISO 527-1,-2	33	MPa
Calculated E-Modulus		INEOS Test Method	1900	MPa
Charpy Impact Strength, notched	23°C, method 1eA	ISO 179-1	> 50	kJ/m²
Flexural Modulus	23°C	ISO 178	1850	MPa
Vicat Softening Temperature	Method A (10N)	ISO 306	158	°C
Charpy Impact Strength, notched	0°C, method 1eA	ISO 179-1	12	kJ/m²
Thermal				
Heat Deflection Temperature	0.45 MPa	ISO 75-2/B	106	°C
Melting Point		ASTM D3418	166	°C
Oxidation Induction Time (OIT)	200°C	ISO 11357-6	> 50	min

Data should not be used for specification work

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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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