

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.

Applications

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

Benefits and 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)

Properties		Test Methods	Values	Units
Physical				
Density		ISO 1183	908	kg/m ³
Melt Flow Rate	230°C/2.16kg	ISO 1133	0.3	g/10min
Mechanical				
Flexural Modulus ⁽¹⁾	@ 23°C	ISO 178	1850	MPa
Calculated E-Modulus ⁽²⁾			1900	MPa
Tensile Test (23°C, 50 mm/min) ⁽³⁾				
Tensile Stress	@Yield	ISO 527-1,-2	33	MPa
Tensile Strain	@Yield	ISO 527-1,-2	8	%
Charpy Impact Strength, Notched ⁽³⁾				
	@ 23°C	ISO 179/1eA	> 50	kJ/m ²
	@ 0°C	ISO 179/1eA	12	kJ/m ²
	@ -20°C	ISO 179/1eA	6	kJ/m ²

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

⁽²⁾ Calculated from ring stiffness measurements carried out on 110 mm solid wall pipes

⁽³⁾ Measured on 4 mm thick injection moulded specimens



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Thermal

Melting Point		ASTM D 3417	166	°C
Vicat Softening				
Temperature	@10 N	ISO 306/A	158	°C
HDT	@0.45 MPa	ISO 75/B	106	°C
Oxidation Induction				
Time (OIT)	@ 200°C	EN 728	> 50	min

- Data should not be used for specification work