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Eltex® TUB433-NA00

Product Technical Information

Polypropylene – Impact Copolymer

Eltex® TUB433-NA00 is a low melt flow rate, long term heat stabilized, high impact copolymer for pipe, blow moulding and sheet extrusion applications. It offers a very good balance stiffness - impact strength (even at low temperature) and excellent processability.

Applications

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

Benefits and Features

- High impact resistance
- Good rigidity
- Excellent melt strength
- Long term heat stability
- Excellent processability (for solid and structured wall pipes extrusion)

Properties		Test Methods	Values	Units
Physical				
Density		ISO 1183	905	kg/m^3
Melt Flow Rate	230°C/2.16kg	ISO 1133	0.3	g/10min
Mechanical				
Flexural Modulus [1]	@ 23°C	ISO 178	1500	MPa
Calculated E-Modulus [2]			1500	MPa
Tensile Test (23°C, 50 mm/min) [3]				
Tensile Stress	@Yield	ISO 527-1,-2	28	MPa
Tensile Strain	@Yield	ISO 527-1,-2	9	%
Charpy Impact Strength, Notched [3]	@ 23°C	ISO 179/1eA	> 50	kJ/m²
	@ 0°C	ISO 179/1eA	18	kJ/m²
	@ -20°C	ISO 179/1eA	7	kJ/m²

[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	165	ºC
Vicat Softening Temperature	@10 N	ISO 306/A	155	ºC
HDT	@0.45 MPa	ISO 75/B	95	ºC
Oxidation Induction Time (OIT)	@200ºC	EN 728	> 30	min

- Data should not be used for specification work

Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@ineos.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

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