# 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	0/0
Charpy Impact Stre	ength,			
Notched (3)	@ 23°C	ISO 179/1eA	> 50	$kJ/m^2$
	@ 0°C	ISO 179/1eA	18	$kJ/m^2$
	@ -20°C	ISO 179/1eA	7	$kJ/m^2$

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

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

<sup>(3)</sup> Measured on 4 mm thick injection moulded specimens

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### **Thermal**

Melting Point		ASTM D 3417	165	°C
Vicat Softening				
Temperature	@10 N	ISO 306/A	155	°C
HDT	@0.45 MPa	ISO 75/B	95	°C
Oxidation Induction	ļ			
Time (OIT)	@200°C	EN 728	> 30	min

<sup>-</sup> Data should not be used for specification work

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