

Eltex® TUB 433-NA00

Polypropylene Impact Copolymer

INEOS Olefins & Polymers Europe

Message:

Eltex TUB 433-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 / fittings

Blow moulding

Sheet extrusion

Benefits and Features:

High impact resistance

Good rigidity

Excellent melt strength

Long term heat stability

Excellent processability (for solid and structured wall pipes extrusion)

General Information			
Additive	Heat Stabilizer		
Features	Good Melt Strength		
	Good Processability		
	Good Stiffness		
	Good Thermal Stability		
	Heat Stabilized		
	High Impact Resistance		
	Impact Copolymer		
	Low Flow		
	Low Temperature Impact Resistance		
Uses	Medium Rigidity		
	Blow Molding Applications		
	Fittings		
	Piping		
RoHS Compliance	Sheet		
	Contact Manufacturer		
	Blow Molding		
	Extrusion		
Processing Method	Pipe Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	1500	MPa	
Tensile Stress (Yield, 23°C, 4.00 mm, Injection Molded)	28.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C, 4.00 mm, Injection Molded)	9.0	%	ISO 527-2/50
Flexural Modulus ² (23°C, 4.00 mm, Compression Molded)	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ³			ISO 179/1eA
-20°C, Injection Molded	7.0	kJ/m ²	
0°C, Injection Molded	18	kJ/m ²	
23°C, Injection Molded	> 50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B
Vicat Softening Temperature	155	°C	ISO 306/A
Melting Temperature	165	°C	ASTM D3417
Oxidation Induction Time (200°C)	> 30	min	DIN EN 728
NOTE			

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| 1. | Calculated from ring stiffness measurements carried out on 110 mm solid wall pipes |
| 2. | Cooling Rate = -15°C/min |
| 3. | 4 mm thickness |

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