

# BorECO™ BA2000

Polypropylene Copolymer

Borealis AG

## Message:

BorECO BA2000 is a high molecular weight, low melt flow rate polypropylene block copolymer with a good balance of mechanical properties. This grade offers superior stiffness while keeping good impact resistance and shows excellent processability.

General Information			
Features	Block Copolymer Rigidity, high High molecular weight Impact resistance, good Recyclable materials Workability, good Low liquidity		
Uses	Piping system		
Agency Ratings	EN 1852-1		
Processing Method	Pipeline extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	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 Stress (Yield)	38.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	6.5	%	ISO 527-2/50
Flexural Modulus <sup>1</sup>	2000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.0	kJ/m <sup>2</sup>	ISO 179/1eA
23°C	29	kJ/m <sup>2</sup>	ISO 179/1eA
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	200 - 220	°C	
Cylinder Zone 2 Temp.	200 - 220	°C	
Cylinder Zone 3 Temp.	200 - 220	°C	
Cylinder Zone 4 Temp.	200 - 220	°C	
Cylinder Zone 5 Temp.	200 - 220	°C	
Melt Temperature	210 - 230	°C	
Die Temperature	210 - 220	°C	
Extrusion instructions			
Head Temperature: 210 to 220°C			

NOTE

1. 2.0 mm/min

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Recommended distributors for this material

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