# 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<br>Rigidity, high<br>High molecular weight<br>Impact resistance, good<br>Recyclable materials<br>Workability, good<br>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/cm³ | 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 [1] | 2000 | MPa | ISO 178 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength | | | ISO 179/1eA |
| -20°C | 2.0 | kJ/m² | ISO 179/1eA |
| 23°C | 29 | kJ/m² | 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 |



## Recommended distributors for this material

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