

BorECO™ BA415E

Polypropylene Copolymer

Borealis AG

Message:

BorECO BA415E is a high molecular weight, low melt flow rate polypropylene block copolymer with high stiffness and impact strength. This material has been designed for improved processability and higher output, especially in the production of corrugated pipes.

General Information			
Features	Block Copolymer		
	Rigidity, high		
	High molecular weight		
	Impact resistance, high		
	Recyclable materials		
	Low liquidity		
Uses	Piping system		
Processing Method	Pipeline extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	29.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/50
Flexural Modulus ¹	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	6.0	kJ/m ²	ISO 179/1eA
23°C	60	kJ/m ²	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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