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 processablility 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/cm³	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/m²	ISO 179/1eA
23°C	60	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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