

Borealis PP BA204E

Polypropylene Copolymer

Borealis AG

Message:

BA204E is a high molecular weight, low melt flow rate polypropylene block copolymer with very high impact strength. BA204E is recommended for non-pressure pipes & fittings, thin-walled corrugated pipes and profiles.

General Information			
Features	Block Copolymer		
	High molecular weight		
	Impact resistance, high		
	Low liquidity		
Uses	Bellows		
	Piping system		
	Accessories		
	Profile		
Forms	Particle		
Processing Method	Extrusion		
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)		
	Secant Modulus vs. Strain (ISO 11403-1)		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/50
Flexural Modulus ¹	1100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.0	kJ/m ²	ISO 179/1eA
23°C	35	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: 210 to 220°C		
NOTE		
1.	2.0 mm/min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

