

Borealis BA204E Polypropylene Block Copolymer for Non-Pressure Pipes

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-BA204E-Polypropylene-Block-Copolymer-for-Non-Pressure-Pipes.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ISO 1183
Melt Flow	0.80 g/10 min @Load 2.16 kg, Temperature 230 °C	0.80 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.0 MPa	3920 psi	50mm/min; ISO 527-2
Elongation at Yield	10 %	10 %	50mm/min; ISO 527-2
Flexural Modulus	1.10 GPa	160 ksi	2mm/min; ISO 178
Charpy Impact, Notched	0.400 J/cm ² @Temperature -20.0 °C	1.90 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA
	3.50 J/cm ² @Temperature 23.0 °C	16.7 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	200 - 220 °C	392 - 428 °F	
Die Temperature	210 - 220 °C	410 - 428 °F	
Melt Temperature	210 - 230 °C	410 - 446 °F	
Head Temperature	210 - 220 °C	410 - 428 °F	

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