Polypropylene
BA202E

Polypropylene Copolymer for Non-Pressure Pipes and Steel Pipe Coating

Description

BA202E is a non-pigmented, high molecular weight, low melt flow rate polypropylene copolymer with very high impact strength.

The product is supplied in pellet form for melt extrusion.

Applications

BA202E is recommended for foamed layers in thermal insulation coating, non-pressure pipes & fittings, thin-walled corrugated pipes and profiles.

Physical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Density	900 kg/m³	ISO 1183-1, Method A
Melt Flow Rate (230 °C/2,16 kg)	0,3 g/10min	ISO 1133
Tensile Modulus (1 mm/min) (23 °C)	1.200 MPa	ISO 527-2
Tensile Strain at Yield (50 mm/min) (23 °C)	9 %	ISO 527-2
Tensile Stress at Yield (50 mm/min) (23 °C)	28 MPa	ISO 527-2
Melting temperature (DSC)	163 °C	ISO 11357-3
Charpy Impact Strength, notched (23 °C)	50 kJ/m²	ISO 179-1
Charpy Impact Strength, notched (-20 °C)	5 kJ/m²	ISO 179-1
Hardness, Shore D (1 s)	60	ISO 868
Moisture [1]	< 500 ppm	ISO 15512

[1] Karl Fischer-titration

Processing Techniques

Pellets can be applied by flat die or crosshead extrusion. The actual conditions will depend on the type of equipment used.

Extrusion

Cylinder	200 - 220 °C
Head	210 - 220 °C
Die	210 - 220 °C
Melt temperature	210 - 240 °C

Specific recommendations for processing conditions can be determined only when the application and type of equipment are known. Please contact your local Borealis representative for such particulars.

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Storage
BA202E shall be stored indoors below 50°C in unopened original packaging in clean and dry environment. It is recommended to ensure proper stock rotation by using first in – first out principle. Following afore-mentioned conditions the material can be stored for a period of up to 3 years after production. However, caution shall be taken regarding the moisture level. It is recommended to measure the moisture after longer storage periods prior to processing.

Safety
Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis representative.

Recycling
The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

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Related Documents
For general and grade specific compliance documents please see Borealis' homepage www.borealisgroup.com or ask your Borealis representative.

Issuer:
Product Management **/** Petar Doshev
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