



Polypropylene BE55

Description

BE55 is a high molecular weight, low melt flow rate polypropylene homopolymer.

The product is available in natural colour.

Applications

BE55 is recommended for non-pressure pipes and fittings, extruded sheets and profiles, solid rods, filter plates and other extrusion applications.

Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Melt Flow Rate (230 °C/2,16 kg)	0,35 g/10min	ISO 1133
Tensile Modulus	1.700 MPa	ISO 527-2
Tensile Strain at Yield	10 %	ISO 527-2
Tensile Stress at Yield	36 MPa	ISO 527-2
Vicat softening temperature A (10 N)	150 °C	ISO 306
Charpy Impact Strength, notched (23 °C)	9 kJ/m ²	ISO 179-1
Charpy Impact Strength, notched (-20 °C)	2 kJ/m ²	ISO 179-1

Processing Techniques

The actual conditions will depend on the type of equipment used.

Extrusion

Cylinder	190 - 210 °C
Head	200 - 230 °C
Die	200 - 230 °C
Melt temperature	200 - 230 °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.

Storage

BE55 should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.



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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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Issuer:

Marketing Pipe / Thierry Pezard
Product Management / Petar Doshev

Disclaimer

The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.

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