PRODUCT DATA SHEET

Polypropylene

RA130E-6017

Polypropylene Random Copolymer for Pipe Applications

Description

RA130E is a low melt flow rate polypropylene random copolymer (PP-R) intended for extrusion and injection moulding, green in colour.

Ready-made green material in pellet form for the manufacturing of pipes and fittings.

Applications

RA130E-6017 is intended for following applications:

Domestic water	Industrial applications
Heating	Plumbing

RA130E-6017 is recommended for the manufacturing of single wall pipes or multilayer pipes as well as fittings used in hot and cold water or industrial applications

Physical properties

Property	Typical value *	Unit	Test method
Melt flow rate (230 °C/2.16 kg)	0.25	g/10min	ISO 1133-1
Tensile modulus	850	MPa	ISO 527-2
Tensile strain at yield (50 mm/min)	13.5	%	ISO 527-2
Tensile stress at yield (50 mm/min)	25	MPa	ISO 527-2
Charpy impact strength, notched (23 °C)	20	kJ/m²	ISO 179-1/1eA

* Data should not be used for specification work

Processing techniques

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

Processing setting	Typical value/range
Cylinder temperature	180 - 210 °C
Head temperature	210 - 220 °C
Die temperature	210 - 220 °C
Melt temperature	220 °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.

Packaging and storage

RA130E-6017 should be stored in dry conditions at temperatures below 50 °C and protected from UV-light. Improper storage can initiate degradation, which can result in odour generation and colour changes and can have negative effects on the physical properties of this product.

Product compliance documents

Latest versions of product safety information sheets (PSIS), product safety data sheets (SDS) and other product liability documents are available in our website www.borealisgroup.com.

BOREALIS

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Sustainability aspects

Borealis is ever mindful of the impact of our products on the planet. We promote Design for Circularity (DfC) and Design for Recycling (DfR) to conserve natural resources and to reduce the environmental impact of products over their entire lifetime (including production, use phase and after phase). DfR helps ensure that material can be effectively recycled while maximizing the material performance efficiency.

Further information on sustainability and Design for Recycling (DfR) can be found from our websites www.borealisgroup.com and www.borealiseverminds.com.

Regional Availability

North America: The product is not intended to be used for pipe applications in North America.

For information on regional availability please contact Borealis Sales Representative.

Disclaimer