PRODUCT DATA SHEET

11.03.2026 Ed.4

Polypropylene

RA130E-8427

Polypropylene Random Copolymer for Pipe Applications

Description

RA130E-8427 is a low melt flow rate random polypropylene (PP-R) for extrusion and injection moulding, grey in colour.

RA130E-8427 is a ready made material in pellet form for the production of pipes and fittings.

RA130E-8427 is is used for single as well as for multilayer pipes. The product data sheet does not release customers from their liability to check that delivered material is fit for purpose and application.

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-8427 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.

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.

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.

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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

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.
Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.
It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.
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