Braskem

Datasheet
19/02/2026

Polypropylene PRB 0131

Description:
Random Copolymer

PRB 0131 is a low melt flow rate random copolymer with high transparency. This resin is designed for thermoforming, blow moulding and extrusion. This product exhibits an excellent processability, low haze and excellent impact strength.

Applications:
Mineral Water Reusable Bottles, High transparency sheets, Toy kit, Highly transparent thermoformed packages for food, cosmetic, health care and cleaning products

Processes:
Extrusion Blow Molding, Thermoforming, General extrusion.

Control Properties

Feature	Method	Units	Values
Nominal Melt Flow (230°C/2.16kg)	D 1238	g/10 min	1.3

Typical Properties[a]

Feature	Method	Units	Values
Density	D 792	g/cm³	0.902
Flexural Modulus (0.05 in/min, 1.3 mm/min, 1% secant)	D 790	MPa	800
Tensile Strength at Yield (2 in/min, 50 mm/min)	D 638	MPa	25
Elongation at Yield (2 in/min, 50 mm/min)	D 638	%	13
Rockwell Hardness (R Scale)	D 785	-	75
Notched Izod Impact Strength (at 23°C)	D 256	J/m	400
Heat Deflection Temperature (0.45 Mpa)	D 648	°C	80
Deflection Temperature under Load at 1.820 MPa	D 648	°C	48
Vicat Softening Temperature (at 10 N)	D 1525	°C	130
Haze (20 mil, 0.5 mm injection molded plaque)	1003	%	24

a) Injection molded specimen according to ASTM D 4101. NB = No Break.

Final Remarks

1. It is the sole responsibility of the Client/Purchaser of this Product to verify the suitability of this Product and its use for the intended use and to ensure compliance with legal and regulatory requirements applicable to the final product.
2. The technical guidance eventually rendered to the Client/Purchaser of the Product by Braskem about the Product does not characterize a performance guarantee for the intended application, nor does it exempt the Client/Purchaser from the responsibilities described in item 1 above.
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