Braskem

Datasheet
Mar/2022

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
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	1.3

Typical Properties

Feature	Method	Units	Values
Density	D 792	g/cm³	0.902
Flexural Modulus - 1% Secant	D 790	MPa	800
Tensile Strength at Yield	D 638	MPa	25
Tensile Elongation at Yield	D 638	%	13
Rockwell Hardness (R Scale)	D 785	-	75
Notched Izod Impact Strength at 23°C	D 256	J/m	400
Deflection Temperature under Load at 0.455 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	1003	%	24

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

Final observations

1. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
2. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
3. In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
4. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS.
5. For regulatory information concerning the product, please consult the Regulatory Information Sheet or contact our Technical Assistance Area.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.