

Polypropylene PRB 0131

Sub-group:

Random Copolymer

Description:

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:

High transparency thermoformed packaging for food, cosmetics and hygiene and cleaning products; Bottles for food, cosmetics and cleaning products; Returnable water bottles; High transparency sheets, toy kit and cosmetic packages

Processing:

Thermoforming

Blow Moulding

Extrusion

Control Property:

	ISO Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	1133	g/10 min	1.3

Typical Properties^a:

	ISO Method	Units	Values
Density	1183-1	g/cm ³	0.902
Flexural Modulus	178	MPa	950
Tensile Strength at Yield	527-1	MPa	31
Tensile Elongation at Yield	527-1	%	13
Rockwell Hardness (R Scale)	2039-2	-	79
Notched Izod Impact Strength at 23°C	180	kJ/m ²	19
Deflection Temperature under Load at 1.820 MPa	75-1/75-2	°C	48
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	75
Vicat Softening Temperature at 10 N	306	°C	130
Haze	13468-1	%	13

a) Injection molded specimen according to ISO 294.

