

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 sheets; toy kit, drinks and cosmetic packages.

Processing:

Thermoforming
Blow Moulding
Extrusion

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10	1.3

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	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 1.820 MPa	D 648	°C	48
Deflection Temperature under Load at 0.455 MPa	D 648	°C	80
Vicat Softening Temperature at 10 N	D 1525	°C	130
Haze ^b	D 1003	%	24

a) Injection molded specimen according to ASTM D 4101.

b) Specimen thickness: 1 mm.

