Braskem

Datasheet

Polypropylene RT100N

Description:

Randon Copolymer

RT100N is a medium melt flow rate random copolymer designed for injection moulding. This product offers excellent transparency and gloss, very good stiffness/impact strenght balance, exellent processability and also provides very low odor/taste.

Applications:

High transparency parts with an excellent balance stiffness / impact, Cream cheese cups, Cosmetic packaging, High clarity houseware

Processes:

Injection molding

Control Properties

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

Typical Properties

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	950
Tensile Strength at Yield (2 in/min, 50 mm/min)	D 638	MPa	30
Elongation at Yield (2 in/min, 50 mm/min)	D 638	%	14
Rockwell Hardness (R Scale)	D 785	-	83
Notched Izod Impact Strength (at 23°C)	D 256	J/m	55
Notched Izod Impact Strength (at -20°C)	D 256	J/m	20
Deflection Temperature under Load (at 0.455 MPa)	D 648	°C	80
Deflection Temperature under Load at 1.820 MPa	D 648	°C	51
Vicat Softening Temperature (at 10 N)	D 1525	°C	128
Haze (20 mil, 0.5 mm injection molded plaque)	D 1003	%	16

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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